

REASONING

BOOKS - KIRAN PUBLICATION

SYMBOLS & NOTATIONS

TYPE-I (i)

1. If + stands for division, ' $\div$ ' stands for multiplication, ' $\times$ ' stands for subtraction and - stands for addition, which one of the following is correct?

A. $18 \div 6 - 7 + 5 \times 2 = 20$

B. $18 + 6 \div 7 \times 5 - 2 = 18$

C. $18 \times 6 + 7 \div 5 - 2 = 16$

D. $18 \div 6 \times 7 + 5 - 2 = 22$

Answer: B



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2. If '-' stands for division, '+' for multiplication, $\div$ for subtraction and $\times$ for addition, then which one of the following equations is correct? (A)

$18 \div 3 \times 2 + 8 - 6 = 10$ (B) $18 - 3 + 2 \times 8 \div 6 = 14$ (C)

$18 - 3 + 2 \times 8 + 6 = 17$ (D) $18 \times 3 + 2 + 8 - 6 = 15$

A. $18 \div 3 \times 2 + 8 - 6 = 10$

B. $18 - 3 + 2 \times 8 \div 6 = 14$

C. $18 - 3 \div 2 \times 8 + 6 = 17$

D. $18 \times 3 + 2 \div 8 - 6 = 15$

Answer: B



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3. In an imaginary mathematical operation '+' means multiplication, 'x' means subtraction, $\div$ means addition and $-$ means division. All other rules in mathematical operation are the same as in the existing system.

Which one of the following gives the result of

$$175 - 25 \div 5 + 20 \times 3 + 10 = ?$$

- A. 160
- B. 2370
- C. 77
- D. 240

Answer: C



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4. If '-' stands for division, '+' for multiplication, ' $\div$ ' for subtraction and 'x' for addition, which one of the following equations is correct?

A. $6 \div 20 \times 12 + 7 - 1 = 70$

B. $6 + 20 - 12 \div 7 \times 1 = 62$

C. $6 - 20 \div 12 \times 7 + 1 = 57$

D. $6 + 20 - 12 \div 7 - 1 = 38$

Answer: A



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5. If '+' means '-', '÷' means 'x', 'x' means '-' and '-' means '+' the

$2 \div 6 \times 6 \div 2 = ?$

A. 1

B. 0

C. 10

D. 5

Answer: D

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6. If '+' stands for Multiplication, 'x' stands for Division, '-' stands for Addition and '÷' stands for Subtraction, what would the following equation stand for?

$$20 - 8 \times 4 \div 3 + 2 = ?$$

A. 41

B. 19

C. 16

D. 18

Answer: C

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7. If '×' means '-', '÷' means '+', '÷' means '×' and '÷' means '+', then what will be the value of the following expression?

$$16 \times 8 \div 4 - 3 + 9 = ?$$

A. 10

B. 19

C. 20

D. 9

Answer: C



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8. If '+' means minus '-' means multiplication '÷' means plus, and 'x' means division,

$$15 - 3 + 10 \times 5 \div 5 = ?$$

A. 52

B. 48

C. 22

D. 5

Answer: B



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9. If ' - ' stands for division, ' $\div$ ' stands for multiplication, ' + ' stands for subtraction and 'x' for addition, then which of the following equation is correct?

A. $20 + 8 - 7 \div 6 \times 4 = 25$

B. $20 - 5 \div 4 + 6 \times 5 = 15$

C. $20 \times 5 - 6 \div 7 + 4 = 28$

D. $20 \div 4 - 8 \times 10 + 6 = 36$

Answer: B



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10. If $\times$ stands for $+$ and $:-$ for $-$, find the value of the following equation.

$$39 \times 23 \div 21 \times 5$$

A. 46

B. 36

C. 62

D. 89

Answer: A



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11. If $+$ stands for division, $' \div '$ stands for multiplication, $' \times '$ stands for subtraction and $-$ stands for addition, which one of the following is correct?

A. $18 \div 6 - 7 + 5 \times 2 = 20$

B. $18 + 6 \div 7 \times 5 - 2 = 18$

C. $18 \times 6 + 7 \div 5 - 2 = 16$

D. $18 \div 6 \times 7 + 5 - 2 = 22$

Answer: B



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12. If + stands for division', x stands for 'addition', - stands for 'multiplication' and $\div$ stands for 'subtraction', then which of the following equations is correct?

A. $36 \times 6 + 7 \div 2 - 6 = 20$

B. $36 + 6 - 3 \times 5 \div 3 = 24$

C. $36 \div 6 + 3 \times 5 - 3 = 45$

D. $36 - 6 + 3 \times 5 \div 3 = 74$

Answer: D



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13. If '+' means 'minus', '-' means 'multiply', '÷' means 'plus' and 'x' means 'divide', then

$$10 \times 5 \div 3 - 2 + 3 = ?$$

- 1) 5
- 2) $\frac{53}{3}$
- 3) 21
- 4) 36

A. 5

B. 21

C. $\frac{53}{3}$

D. 18

Answer: A



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14. In the following question you have to identify the correct response from the given premises stated according to following symbols. If + means $\div$, - means $\times$, $\div$ means + and $\times$ means -, then

$$63 \times 24 + 8 \div 4 + 2 - 3 = ?$$

A. 54

B. 66

C. 186

D. 48

Answer: B



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15. The following equation becomes interchange either the sign or the numbers as indicated in the question. Find the correct alternative. Given equation:

$$(16 - 4) \times 6 \div 2 + 8 = 30$$

A. 4 and 2

B. $\div$ and -

C. 16 and 6

D. — and +

Answer: B



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16. If- 'stands for division'+ ' stands for subtraction,' $\div$ ' stands for multiplication, ' $\times$ ' stands for addition, then which one of the following equations is correct ?

A. $70 - 2 + 4 \div 5 \times 6 = 44$

B. $70 - 2 + 4 \div 5 \times 6 = 21$

C. $70 - 2 + 4 \div 5 \times 6 = 341$

D. $70 - 2 + 4 \div 5 \times 6 = 36$

Answer: B



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17. If - stands for division, + for multiplication, $\div$ for subtraction and $\times$ for addition, then which one of the following equations is correct?

A. $19 + 5 - 4 \times 2 \div 4 = 11$

B. $19 \times 5 - 4 \div 2 + 4 = 18$

C. $19 \div 5 + 4 - 2 \times 4 = 13$

D. $19 \div 5 + 4 + 2 \div 4 = 20$

Answer: C



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18. If '-' stands for ' $\div$ ', '+' stands for ' $\times$ ', ' $\div$ ' for '-' and ' $\times$ ' for '+', which one of the following equations is correct?

A. $30 - 6 + 5 \times 4 \div 2 = 27$

B. $30 + 6 - 5 \div 4 \times 2 = 30$

C. $30 \times 6 \div 5 - 4 + 2 = 32$

D. $30 + 6 \times 5 + 4 - 2 = 40$

Answer: A



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19. If 'x' means additon, '-' means division, 'div' means subtraction and '+' means multiplicaton, then which of the equation is correct?

A. $16 + 5 - 10 \times 4 \div 3 = 9$

B. $16 - 5 \times 10 \div 4 + 3 = 12$

C. $16 + 5 \div 10 \times 4 - 3 = 9$

D. $16 \times 5 + 10 \div 4 - 3 = 19$

Answer: A

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20. If $\div$ stands for division, $\times$ for multiplication, $-$ for subtraction and $+$ for addition, which one of the following equations is correct?

A. $24 \div 8 - 4 + 2 \times 3 = 16$

B. $24 - 8 + 4 \times 2 \div 3 = 12$

C. $24 \times 8 - 4 \div 2 + 3 = 17$

D. $24 + 8 - 4 \times 2 \div 3 = 47$

Answer: D

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21. If $\div$ means plus, $\times$ means subtraction, then

$(15 \times 9) \div (12 \times 4) \times (4 \div 4)$ is equal to :

A. 96

B. 6

C. $\frac{3}{128}$

D. $\frac{143}{4}$

Answer: B



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22. If + means $\times$, $\times$ means $\div$, $\div$ means $+$, $\div$ means $\times$, find the value of

$$15 \times 3 \div 4 - 6 + 7?$$

A. 22

B. 35

C. 9

D. $175/3$

Answer: A



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23. Which of the following options is correct ?

If $\times$ stands for $-$, $\div$ stands for $+$,
 $+$ stands for $\times$, find the value of
following equation:
 $(16 \times 5) \div 5 + 3 = ?$

A. 62

B. 10

C. 2

D. 26

Answer: D



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24. If ' $-$ ' stands for addition, ' $\times$ ' stands for multiplication, ' $\times$ ' stands for subtraction and ' $+$ ' stands for division, which of the responses does not hold good?

A. $10 \times 4 = 06$

B. $10 - 4 = 40$

C. $10 + 5 = 50$

D. $10 \div 5 = 15$

Answer: C



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25. If x stands for $+$. $\div$ stands for $-$. $-$ stands for $\times$. $+$ stands for $\div$.,then find the value of following equation.

$$54 \div 16 - 3 \times 6 + 2 = ?$$

A. 9

B. 12

C. 8

D. 15

Answer: A



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26. If '+' stands for 'subtraction' and ' $\div$ ' stands for 'addition' and '-' stands for 'multiplication' and 'x' stands for division, then which of the following equations is correct?

A. $56 + 12 \times 34 - 12 = 102$

B. $8 + 44 - 5 + 25 = 203$

C. $112 \times 44 - 12 + 10 = 46$

D. $9 \div 64 - 2 \times 6 = 54$

Answer: B



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27. If '-' stands for division, '+' stands for multiplication, ' $\div$ ' stands for subtraction and 'x' stands for addition, then which one of the equation is correct?

A. $30 + 5 - 12 \div 8 \times 12 = 70$

B. $30 - 5 + 12 \div 8 \times 12 = 76$

C. $30 \times 5 - 12 + 8 \div 12 = 60$

D. $30 \div 5 \times 12 + 8 - 12 = 24$

Answer: B



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28. Which of the following options is correct ?

If '+' stands for multiplication, 'x' stands for division, '-' stands for addition and '-' stands for subtraction, what is the answer for the following equation?

$$20 - 5 + 18 \times (3 + 2) = ?$$

A. 20

B. 7

C. 108

D. 22

Answer: D



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29. If 'x' stands for minus, '+' stands for multiplication, '-' stands for plus, then which one of the following is correct?

$$6 + (3 \times 1) + 5 = ?$$

A. 58

B. 64

C. 60

D. 12

Answer: C



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30. If '+' means $\div$, $\div$ means '-', '-' means 'x', 'x' means '+', then

$$12 + 6 \div 3 - 2 \times 8 = ?$$

A. -2

B. 4

C. 2

D. 8

Answer: B



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31. If $+$ stands for $\times$, $-$ for $\div$, $\times$ for $-$ and $\div$ for $+$, find the value of $26 + 74 - 4 \times 5 \div 2$

A. 220

B. 376

C. 478

D. 488

Answer: C



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32. Which of the following options is correct ?

If '+' stands for subtraction, '÷' stands for addition, '-' stands for multiplication and '×' stands for division, then which one of the following equations is correct?

A. $46 - 10 + 10 \times 5 = 92$

B. $265 + 11 - 2 \times 14 = 22$

C. $66 \times 3 - 11 + 12 = 230$

D. $2 - 14 \times 4 \div 11 = 16$

Answer: C



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In the following question, you have to identify the correct response from the given premises stated according to following symbols.

If + denotes -, - denotes = , = denotes + , $\div$ denotes >, $\times$ denotes <, how do you solve the following problem?

33.

$$8+4-?$$

- A. 4
- B. 32
- C. 12
- D. 2

Answer: A



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34. If '-' means addition, '+' means subtraction, 'x' means division and '÷' means multiplication, then

$$7 - 10 \times 5 \div 6 + 4 = ?$$

- A. 3
- B. 12
- C. 15
- D. 9

Answer: C



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35. Which of the following options is correct ?

If '÷' means 'x', '-' means '+', 'x' means '÷', '+' means 'x', then what will be the value of the following?
 $20 + 4 \times 6 - 5 \div 7$

A. 28

B. 32

C. 34

D. 36

Answer: C



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36. If '+' means $\times$, '-' means $+$, 'x' means $\div$ and $\div$ means $-$, then

$10 + 5 \times 10 \div 2 - 5$ has a value of

A. 35

B. 45

C. 30

D. 8

Answer: D

37. If '+' stands for division, ' $\div$ ' stands for multiplication, multiplication for addition, which one of the following equations is correct?

A. $10 \div 5 + 4 = 6$

B. $10 - 4 + 2 = 6$

C. $10 + 2 - 5 = 6$

D. $10 + 2 \times 1 = 6$

Answer: D

38. If '+' stands for ' $\div$ ', ' $\times$ ' stands '+', ' $-$ ' stands for ' $\times$ ' and ' $\div$ ' stands for ' $-$ ' then which of the following statements is correct?

A. $36 \times 6 + 7 \div 2 - 6 = 20$

B. $36 + 6 \div 3 \times 5 - 3 = 45$

C. $36 \div 6 - 3 \times 5 + 3 = 24$

D. $36 - 6 + 3 \times 5 \div 3 = 74$

Answer: D



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39. Identify the correct response from the given premises stated according to following symbols.

If '-' stands for division

'+' stands for multiplication.

' $\div$ ' stands for subtraction

'x' stands for addition Which one of the equations is correct?

A. $18 + 14 - 24 \times 12 \div 16 = 12$

B. $16 \times 14 - 24 \div 18 + 12 = -24$

C. $24 - 12 + 12 \div 16 \times 18 = 26$

D. $18 \div 16 + 12 \times 18 \div 12 = 24$

Answer: C



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40. If 'x' means '-', '-' means 'x', '+' means '÷' and '÷' means '+', then

$$(15 - 10) \div (130 + 10) \times 50 = ?$$

A. 1800

B. 113

C. 2000

D. 123

Answer: B



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41. If '+' means $\div$, '-' means $\times$, ' $\div$ ' means '+' means and ' $\times$ ' means '-' then $36 \times 12 + 4 \div 6 + 2 - 3 = ?$

A. 42

B. 18

C. 40

D. 2

Answer: A



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42. If T means 'x', U means '-', V means ' $\div$ ' and W means '+', then what will be the value of the following expression.

$(50 \text{ V } 2) \text{ W } (28 \text{ T } 4)$

A. 142

B. 158

C. 137

D. 160

Answer: C



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43. If '-' stands for ' $\div$ ', '+' stands for ' $\times$ ', ' $\div$ ' stands for '-' and ' $\times$ ' stands for '+' find out which one is correct?

A. $49 \times 7 + 3 \div 5 - 8 = 16$

B. $49 \div 7 \times 3 + 5 - 8 = 26$

C. $49 + 7 - 3 \times 5 \div 8 = 20$

D. $49 - 7 + 3 \div 5 \times 8 = 24$

Answer: D



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44. If '+' means 'x', '-' means ' $\div$ ', 'x' means '+' and ' $\div$ ' means '-' then

$$25 \times 15 - 3 \div 2 + 5 = ?$$

A. 20

B. 50

C. 30

D. 40



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45. Which of the following options is correct ?

If '-' stands for addition, '+' for multiplication, '÷' for subtraction and 'x' for division, which one of the following equation is *wrong*?

(1) $5 - 2 + 12 \times 6 \div 2 = 27$

(2) $5 + 2 - 12 \div 6 \times 2 = 13$

(3) $5 + 2 - 12 \times 6 \div 2 = 10$

(4) $5 \div 2 + 12 \times 6 - 2 = 3$



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46. Which of the following options is correct ?

If $\times$ stands for $-$, $+$ means $\times$, $\div$ means $+$ and $-$ means $\div$, then what is the value of the given expression ?

$$175 - 25 \div 5 + 20 \times 3 + 10 = ?$$

B. 160

C. 240

D. 2370

Answer: A



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47. If '+' means ' $\div$ ', ' $\div$ ' means '-', '-' means 'x', 'x' means '+' then

$$8 + 2 \div 3 - 4 \times 6 = ?$$

A. -12

B. -2

C. -10

D. -15

Answer: B



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48. If $\div$ means $' - '$, $' - '$ means $' \times '$, $' \times '$ means $' + '$ and $' + '$ means $' \div '$ then

$$20 \times 60 \div 40 - 20 + 10 = ?$$

A. 80

B. 60

C. 40

D. 0

Answer: C



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49. If $' + '$ means $' \div '$, $' \times '$ means $' + '$, $' - '$ means $' \times '$ and $' \div '$ means $' - '$ then which of the following equations is correct?

A. $36 \times 6 + 3 - 2 < 20$

B. $36 \times 6 + 3 \times 2 > 20$

C. $36 + 6 \times 3 + 2 = 20$

D. $36 + 6 - 3 \times 2 = 20$



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50. If $-$ stands for addition, $\div$ for multiplication $\times$ for subtraction, and $+$ for division, then which of the following is correct ?

A. $25 - 15 + 5 \div 4 \times 16 = 21$

B. $25 + 11 - 4 \div 10 \times 6 = 20$

C. $25 \times 12 - 14 \div 4 + 6 = 16$

D. $25 - 12 + 14 \div 2 \times 4 = 15$

Answer: A



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51. Which of the following interchange of signs would make the given equation correct ?

$$5 + 3 \times 8 \div 12 - 4 = 26$$

A. $-$ and $\div$

B. $+$ and $\times$

C. $+$ and $\div$

D. $+$ and $-$

Answer: A



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52. Put the correct mathematical signs in the following equation from the given alternatives.

$$33 \underline{\quad} 11 \underline{\quad} 3 \underline{\quad} 6 \underline{\quad} = 6$$

A. $-$, $\times$, $+$

B. $+$, $-$, $\times$

C. $\times$, $+$, $-$

D. $\div$, $\times$, $\times$

Answer: C



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53. If ' $\times$ ' means '+', ' $\div$ ' means '-', $+$ means ' $\div$ ' and '-' means ' $\times$ ' then what should be the value of the given equation ?

$$14 \times 4 \div 70 + 10 - 2 = ?$$

A. 33

B. 15

C. 30

D. 4

Answer: D

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54. If + means $\div$, - means $\times$, $\times$ means + and $\div$ means -, then which of the alternatives is correct ?

A. $5 \times 8 - 5 + 5 \div 1 = 12$

B. $55 - 2 + 10 \div 1 \times 5 = 16$

C. $38 \div 10 - 5 + 7 \times 8 = 25$

D. $10 - 12 + 2 \div 30 \times 1 = 10$

Answer: A

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55. If '-' stands for '+', '+' stands for ' $\times$ ', ' $\times$ ' stands for '-' then which one of the following is not correct ?

A. $22 + 7 - 3 \times 9 = 148$

B. $33 \times 5 - 10 + 20 = 228$

C. $7 + 28 - 3 \times 52 = 127$

D. $44 - 9 + 6 \times 11 = 87$

Answer: C



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56. If '+' stand for 'division' , ' $\times$ ' stands for addition ',-' stands for multiplication, ' $\div$ ' stands for subtraction, which of the following equations is correct?

A. $5 - 3 + 2 \times 4 \div 8 = 2$

B. $5 \times 3 + 2 - 4 \times 8 = 19$

C. $5 \div 3 \times 2 - 4 + 8 = 8$

D. $5 + 3 \times 2 \div 4 - 8 = 4$

Answer: B

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57. If '+' means ' $\div$ ', '-' means '+', ' $\times$ ' means '-' and ' $\div$ ' means ' $\times$ ' then ,

$$8 \div 4 - 6 + 3 \times 4 = ?$$

A. 4

B. 14

C. 28

D. 30

Answer: D

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58. If '+' means '-', '-' means ' $\times$ ', ' $\times$ ' means ' $\div$ ' and ' $\div$ ' means '+' then $25 \times 5 \div 30 + 8 - 2 = ?$

A. 54

B. 15

C. 18

D. 19

Answer: D



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59. If '-' stands for addition, '+' stands for subtraction, '÷' stands for multiplication and '×' stands for division, then which one of the following equation is correct ?

A. $50 \times 5 \div 2 - 30 + 25 = 25$

B. $50 - 30 + 5 \div 2 \times 30 = 25$

C. $40 + 35 \times 2 - 50 \div 30 = 95$

D. $30 \times 2 - 25 + 50 \div 5 = 100$

Answer: A

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60. If $\div$ stands for division, $\times$ stands for addition, $-$ stands for multiplication, $\div$ stands for subtraction, which of the following is correct?

A. $15 \div 5 \times 2 - 6 + 3 = 28$

B. $15 \times 5 + 2 - 6 \div 3 = 56.5$

C. $15 + 5 - 2 \div 6 \times 3 = 3$

D. $15 - 5 + 2 \times 6 \div 3 = 41$

Answer: C

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61. If ' $\div$ ' stands for division, ' $+$ ' stands for multiplication, ' $\div$ ' stands for subtraction, ' $\times$ ' stands for addition, then which one of the following equations is correct?

A. $36 \times 4 - 12 + 5 \div 3 = 420$

B. $52 \div 4 + 5 \times 8 - 2 = 36$

C. $36 - 12 \times 6 \div 3 + 4 = 60$

D. $43 \times 7 \div 5 + 4 - 8 = 25$

Answer: B



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62. If a represents $\div$, b represents $+$, c represents $-$ and d represents $\times$
then $24a6d4b9c8 = ?$

A. 20

B. 6

C. 17

D. 19

Answer: C

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63. If ' $\times$ ' means ' $+$ ', ' $+$ ' means ' $\div$ ', ' $-$ ' means ' $\times$ ' and ' $\div$ ' means ' $-$ ' then:

$$= 6 \times 4 - 5 + 2 \div 1$$

A. 11

B. 15

C. 10

D. 12

Answer: B

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64. If, $+$ stands for division, $\times$ stands for addition, $-$ stands for multiplication, $\div$ stands for subtraction, which of the following is correct?

A. c

B. d

C. b

D. a

Answer: C



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65. If $+= \times$, $- = \div$, $\times = +$, $\div = -$ then which is the correct equation out of following?

A. $18 - 6 \times 7 \div 2 + 8 = 63$

B. $18 \div 6 + 4 - 2 \div 3 = 22$

C. $18 + 6 - 4 \times 2 \div 3 = 26$

D. $18 \times 6 - 4 + 7 \times 8 = 47$

Answer: C


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66. If $' + '$ means $' \times '$, $' - '$ means $' \div '$, $' \times '$ means $' + '$ and $' \div '$ means $' - '$, then what will be the value of $16 \div 64 - 8 \times 4 + 2$?

A. 18

B. 24

C. 16

D. 12

Answer: C


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67. If $+$ stands for $*$, $-$ stands for $\#$, $\times$ stands for $@$ and $\div$ stands for $\%$, then which of the following statements is correct?

A. $256 \% 16 @ 5 \# 28 = 52s$

B. $256 \# 16 \% 5 \# 28 = 120$

C. $256 @ 5 \% 16 * 28 = 408$

D. $256 \# 16 @ 5 \% 28 = 80$

Answer: B



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68. If $\div$ stands for $\times$, $\times$ stands for $-$, $-$ stands for $+$ and $+$ stands for $\div$ then

$$48 + 6 - 12 \div 2 + 10 = ?$$

(Do chronologically and not according to BODMAS rule)

A. 9

B. 14

C. 16

D. 4

Answer: D



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69. Select the set of symbols which can be fitted correctly in the equation.

$$5_3_8_4_2 = 21$$

A. $+, \times, +, \div$

B. $\times, +, -, \div$

C. $-, \times, +, \div$

D. $+, \times, -, \div$

Answer: B



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70. If a means $+$ b means $\times$, c means $\div$, d means $-$, then $20\ a\ 10\ b\ 45\ c\ 5\ d\ 12=?$

A. 88

B. 74

C. 98

D. 68

Answer: C



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71. If + stands for division, $\times$ stands for addition, - stands for multiplication, $\div$ stands for subtraction which of the following is correct ?

A. $25 \times 3 - 7 \div 8 + 12 = 18$

B. $25 + 3 \times 7 - 8 \div 12 = 10.89$

C. $25 - 3 \div 7 \times 8 + 12 = 132$

D. $25 \div 3 \times 7 - 8 + 12 = 26.62$

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72. Insert the arithmetical operations in the following numerical figure

$$4_3_4 = 48$$

A. + +

B. + -

C. $\times$ +

D. $\times$ $\times$

Answer: D

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73. If the given interchange are made in signs and numbers which one of the following equation is true ?

(Sign : $\div$ and +, Numbers : 6 and 5)

A. $18 + 6 \div 5 = 9.6$

B. $26 \div 5 + 6 = 6.4$

C. $5 \div 6 + 80 = 5.8$

D. $90 + 5 \div 6 = 8.6$

Answer: A



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74. If '-' stands for addition '+' for multiplication ' $\div$ ' for subtraction and ' $\times$ ' for division which one of the following equations is correct?

A. $5 + 2 - 12 \div 6 \times 2 = 13$

B. $5 + 2 - 12 \times 6 \div 2 = 10$

C. $5 \div 2 + 12 \times 6 - 2 = 4$

D. $5 - 2 + 12 \times 6 \div 2 = 27$

Answer: B

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75. If P denotes ' $\div$ ' Q denotes ' $\times$ ' R denotes '+' and S denotes '-' then
 $16Q12P6R5S4=?$

A. 31

B. 32

C. 33

D. 30

Answer: C

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76. If $\times$ stands for $\div$, $\div$ stands for $+$, $+$ stands for $-$, and $-$ stands for $\times$, then what is the value of $(30 + 20) - 5(7 \div 3) \times 25 = ?$

A. 100

B. 10

C. 20

D. 25

Answer: C



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77. If $+$ means $\div$, $\div$ means $-$, $-$ means $\times$, $\times$ means $+$, then

$$12 - 8 \times 6 - 4 \div 6 + 3 = ?$$

A. -112

B. $+118$

C. -33

D. $+92$

Answer: B



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78. If $+$ means $\div$, $\div$ means $\times$, and $\times$ means $+$, then following will be

$$: 64 + 8 \times 32 \div 4$$

A. 128

B. 160

C. 136

D. 144

Answer: C



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79. If ' $+$ ' denotes ' $+$ ', ' $\div$ ' denotes ' $\times$ ', ' $\times$ ' denotes ' $-$ ', ' $-$ ' denotes ' $+$ '

$$27 \times 3 \div 6 + 9 - 8 = ?$$

A. 15

B. 14.5

C. -37

D. 3.5

Answer: C



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80. What will be the correct mathematical signs that can be inserted in the following ?

$$4_6_2_4_8 = 16$$

A. $- \times + \div$

B. $\div + \times -$

C. $+ \div - \times$

D. $\times \div - +$

Answer: D



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81. In a certain code 0,1,2 9 is coded as a,b,c j then find

$$baf \div bf \times d$$

A. cb

B. d

C. df

D. be

Answer: A



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82. Which of the following interchange of signs would make the given equation correct?

$$5 + 3 \times 8 - 12 \div 4 = 3$$

A. $-$ and $\div$

B. + and $\times$

C. + and $\div$

D. + and -

Answer: A



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83. If '+' stands for division, ' $\times$ ' stands for addition, '-' stands for multiplication, ' $\div$ ' stands for subtraction, then which of the following equations is correct?

A. $33 \times 4 - 5 + 6 \div 2 = 26$

B. $33 \div 4 \times 5 + 6 - 2 = 30$

C. $33 - 4 + 5 \div 6 \times 2 = 24$

D. $33 - 4 \div 5 \times 6 + 2 = 130$

Answer: D

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84. If 'x' means additon, '-' means division, 'div' means subtraction and '+' means multiplicaton, then which of the equation is correct?

A. $16 \times 5 \div 10 + 4 - 3 = 19$

B. $16 + 5 \div 10 \times 4 - 3 = 9$

C. $16 + 5 - 10 \times 4 \div 3 = 9$

D. $16 - 5 \times 10 \div 4 + 3 = 12$

Answer: C

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85. If '+' is ' $\times$ ', '-' is '+', ' $\times$ ' is ' $\div$ ' and ' $\div$ ' is '-', then answer the following questions based on this information.

$$9 - 4 + 2 \div 16 \times 2$$

A. 71

B. 62

C. 9

D. 24

Answer: C



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86. Identify the symbols to be inserted to make the expression correct.

$$92 \text{ ? } 4 \text{ ? } 2 \text{ ? } 184$$

A. $\times + \times$

B. $= \times +$

C. $\times \div =$

D. $+ = \times$

Answer: C



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87. Study the following statements and answer the questions accordingly.

' + ' stands for division

' ÷ ' stands for multiplication

' × ' stands for addition

Which one of the following is correct?

A. $30 \times 40 + 8 - 70 \div 40 = 180$

B. $30 + 40 \div 8 \times 70 - 40 = 340$

C. $30 - 40 \times 8 \div 70 + 40 = 180$

D. $30 + 40 + 8 \times 70 - 40 = 340$



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88. If ' × ' means addition '-' means division', / means subtraction and '+'
means multiplication', then which of the equation is correct?

A. $25 + 10 - 5/10 \times 3 = 43$

B. $25 - 10 \times 5 + 10/3 = 72$

C. $25 \times 10/5 + 10 - 3 = 12$

D. $25/10 + 5 \times 10/3 = 18$

Answer: A



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89. If '+' stands for multiplication, '-' stands for addition ' $\times$ ' stands for division then what is the value of $128 + 9 - 16 \times 4 = ?$

A. 73

B. 356

C. 1156

D. 1352

Answer: C

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90. If + stands for division, ' $\div$ ' stands for multiplication, ' $\times$ ' stands for subtraction and - stands for addition, which one of the following is correct?

A. $18 \times 6 + 7 \div 5 - 2 = 16$

B. $18 \div 6 \times 7 + 5 - 2 = 22$

C. $18 \div 6 - 7 + 5 \times 2 = 20$

D. $18 + 6 \div 7 \times 5 - 2 = 18$

Answer: D

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91. If '+' stands for multiplication '-' stands for division, ' $\times$ ' stands for addition, ' $\div$ ' stands for subtraction, then which one of the following equations is correct?

A. $12 \times 5 + 4 - 5 \div 4 = 20$

B. $12 \div 5 + 4 - 5 \times 4 = 18$

C. $12 + 5 - 4 \times 5 \div 4 = 16$

D. $12 \div 5 - 4 \times 5 + 4 = 22$

Answer: C



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92. If ' $\div$ ' means ' + ', ' + ' means ' $\times$ ', ' $\times$ ' means ' - ' and ' - ' means ' $\div$ ' then what is the value of :

$$[(1440 - 36 \times 16) + 15] + 5 \div (144 - 12) + 25 = ?$$

A. 1500

B. 2100

C. 1200

D. 4800

Answer: B



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93. If $+$ means $\times$, $-$ means $+$, $\times$ means $\div$, $\div$ means $-$, then what is the value of

$$50 + 10 - 50 \times 10 \div 125?$$

A. 380

B. 56

C. 180

D. -125

Answer: A



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94. If ' $\times$ ' means ' $-$ ', ' $-$ ' means ' $\div$ ', ' $\div$ ' means ' $\times$ ' and ' $\div$ ' means ' $+$ ', then what will be the value of the following expression?

$$16 \times 8 \div 4 - 3 + 9 = ?$$

A. 10

B. 19

C. 20

D. 9

Answer: C



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95. If ' $\div$ ' stands for division, ' $\times$ ' for multiplication, ' $-$ ' for subtraction and ' $+$ ' for addition, which one of the following equations is correct

A. $18 \div 3 \times 2 + 8 - 6 = 10$

B. $18 - 3 + 2 \times 8 \div 6 = 14$

C. $18 - 3 + 2 \times 8 \div 6 = 14$

D. $18 \times 3 + 2 \div 8 - 6 = 15$

Answer: B



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96. If '+' means ' $\times$ ', ' $-$ ' means ' $\div$ ', ' $\times$ ' means '-' and ' $\div$ ' means '+' then find the value of the following equation.

$$6 + 64 - 8 \div 45 \times 8$$

A. 85

B. 76

C. 87

D. 75

Answer: A



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97. if '+' means '-' and '-' means '×', '×' means '÷' and '÷' means '+' then $2 \div 6 \times 6 \div 2 = ?$

यदि '+' का अर्थ है '-', '-' का अर्थ है '×', '×' का अर्थ है '÷' और '÷' का अर्थ है '+' तो $2 \div 6 \times 6 \div 2 = ?$

A. 1

B. 0

C. 10

D. 5

Answer: D



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98. If + means $\div$, $\div$ means -, - means $\times$ and $\times$ means +, what will be the value of the following expression:

$$8 + 4 \div 3 \times 5 - 9 = ?$$

A. 44

B. 53

C. 62

D. 64

Answer: A



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99. If $\times$ means $-$, $+$ means $\times$, $\div$ means $+$ and $-$ means $\div$, then what is the value of the given expression?

$$175 - 25 \div 5 + 20 \times 3 + 10 = ?$$

A. 77

B. 160

C. 240

D. 2370

Answer: A



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100. If $\div$ stands for division, $\times$ for multiplication, $-$ for subtraction, $+$ for addition, then which of the following equations is correct?

अगर $(-)$ का मतलब $(\div)$, $(+)$ का मतलब $(\times)$, $(\div)$ का मतलब $(-)$, $(\times)$ का मतलब $(+)$ हो, तो सही समीकरण ज्ञात कीजिए।

A. $20 - 4 + 6 \div 9 \times 4 = 25$

B. $20 + 6 - 4 \times 9 \div 6 = 32$

C. $20 \div 9 \times 9 - 4 + 6 = 33$

D. $20 \times 4 - 6 - 4 + 9 = 20$

Answer: A



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101. In a certain code language, ' $\circ$ ' represents ' + ', ' $\oplus$ ' represents ' - ', ' a ' represents ' $\times$ ' and ' θ ' represents ' X '. Find out the answer to the answer to the following question :

$$8900a100 \oplus 564 \oplus 121a11 = ?$$

- A. 58
- B. 62
- C. 158
- D. 205

Answer: A



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102. If (-) stands for division, (+) stands for multiplication, ($\div$) stands for subtraction and ($\times$) stands for addition, which one of the following equation is correct?

A. $100 + 5 - 10 \times 250 \div 200 = 100$

B. $200 + 10 - 20 \times 200 \div 100 = 150$

C. $50 \times 5 \div 10 + 100 - 75 = 50$

D. $300 + 5 - 20 \times 200 \div 100 = 200$

Answer: A



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103. If '-' means 'x', 'x' means '+', '÷' means '-' and '+' means '÷', then

$40 \times 12 + 3 - 6 \div 60 = ?$

A. 4

B. 7

C. 16

D. 44

Answer: A

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104. If $25 + 5 \div 2 = 40$, and $35 + 5 \div 2 = 60$, then $45 + 5 \div 2 = ?$

1) 90

2) 70

3) 60

4) 80

A. 90

B. 70

C. 60

D. 80

Answer: D

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105. If '+' means $\div$, $\div$ means '-', '-' means $\times$ and $\times$ means '+' then

$$48 + 16 \times 4 - 2 \div 8 = ?$$

- A. 3
- B. 6
- C. 112
- D. - 28

Answer: A



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106. If '+' means minus '-' means multiplication '·' means plus, and 'x' means division,

$$15 - 3 + 10 \times 5 \div 5 = ?$$

- A. 52

B. 48

C. 22

D. 5

Answer: B



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107. If ' $\div$ ' stands for subtraction, '-' stands for addition, ' $\times$ ' stands for division and '+' stands for multiplication, the which one of the following equation is correct?

A. $35 \div 4 - 25 \times 5 + 5 = 28$

B. $35 \div 4 - 25 \times 5 + 5 = 61$

C. $35 \div 4 - 25 \times 5 + 5 = 41$

D. $35 \div 4 - 25 \times 5 + 5 = 56$

Answer: D

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108. If '+' means 'x', '-' means ' $\div$ ', 'x' means '-' and ' $\div$ ' means '+' then what will be the value of

$$16 \div 4 \times 10 - 5 + 8 = ?$$

A. 12

B. 8

C. 4

D. 2

Answer: C

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109. If '+' means ' $\div$ ', '-' means ' $\times$ ', ' $\div$ ' means '+' means and ' $\times$ ' means '-' then $36 \times 12 + 4 \div 6 + 2 - 3 = ?$

A. 2

B. $6\frac{1}{2}$

C. 18

D. 42

Answer: D



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110. If '+' means '/', '/' means $-$, $-$ means $\times$, $\times$ means '+' means '+' then $24 + 8/2 - 6 \times 6 = ?$

A. -10

B. -3

C. 12

D. 21

Answer: B

111. If '+' means divided by '-' means multiplied by ' $\times$ ' means minus' and ' $\div$ ' means plus' which of the following will be the value of expression :

$$16 \div 8 - 4 + 2 \times 4 = ?$$

A. 16

B. 28

C. 32

D. 44

Answer: B

112. If $\times$ means $+$, $+$ means $\div$, $-$ means $\times$ and $\div$ means $-$, then

$$8 \times 7 - 8 + 40 \div 2 = ?$$

A. 1

B. $\frac{27}{5}$

C. $8\frac{3}{5}$

D. 44

Answer: B



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113. Which of the following interchanges of number would make the following equation correct?

$$8 \times \frac{20}{3} + 9 - 5 = 38$$

A. (8,9)

B. (3,5)

C. (3,9)

D. (3,8)

Answer: B



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114. If '+' stands for multiplication, '-' stands for addition, ' $\times$ ' stands for division and ' $\div$ ' stands for subtraction, then which one of the following equations is correct?

A. $9 + 8 - 4 \times 2 \div 18 = 56$

B. $9 \times 8 + 4 \div 2 - 18 = 26$

C. $9 \times 8 \div 4 + 2 - 18 = 200$

D. $9 - 8 \times 4 + 2 \div 18 = 203$

Answer: A



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115. If $-$ means $\div$, $+$ means $\times$, $\div$ means $-$, $\times$ means $+$, then which of the following equations is correct?

A. $43 \times 7 \div 5 + 4 - 8 = 25$

B. $48 \div 5 + 8 \times 10 - 2 = 13$

C. $36 \times 4 - 12 + 5 \div 3 = 420$

D. $42 + 5 \div 6 \times 8 - 3 = 28$



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116. If 'P' means '+', 'Q' means $\times$, 'R' means $\div$ and 'S' means '-' then

$44Q9R12S6Q4P16 = ?$

A. 25

B. 36

C. 112

D. 12

Answer: A



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117. If '+' means minus '-' means multiplication '÷' means plus, and 'x' means division,

$$15 - 3 + 10 \times 5 \div 5 = ?$$

A. 52

B. 48

C. 22

D. 5

Answer: B



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118. If '+' means ' $\times$ ', '-' means '+', ' $\times$ ' means ' $\div$ ' and ' $\div$ ' means '-' then $12 \times 2 + 6 - 7 \div 5 = ?$

A. 38

B. 39

C. 40

D. 37

Answer: A



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119. If '-' stands for "division", '+' stands for "multiplication", ' $\div$ ' stands for "subtraction" and ' $\times$ ' stands for "addition", then which of the following equations holds true?/ यदि '-' का अर्थ "भाग" है, '+' का अर्थ "गुणा" है, ' $\div$ ' का अर्थ "घटाना" है और ' $\times$ ' का अर्थ "जोड़" है, तो निम्न में से कौन-सा समीकरण सही है?

A. $4 \times 5 + 9 - 3 \div 4 = 15$

B. $4 - 5 \times 9 + 3 \div 4 = 32$

C. $4 - 5 \div 18 \times 3 - 4 = 70$

D. $4 \div 5 + 9 - 3 \div 4 = 81$

Answer: B



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120. If '+' means ' $\times$ ', ' $-$ ' means ' $\div$ ', ' $\times$ ' means '-' and ' $\div$ ' means '+' then value of the given equation is :

$$9 + 8 \div 8 - 4 \times 6 = ?$$

A. 68

B. 36

C. 65

D. 11

Answer: A

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121. In the following question, by using which mathematical operators will the expression become correct?

$$14 ? 2 ? 4 ? 6 ? 4$$

A. $\times$, $\div$, $>$ and $\times$

B. $\div$, $\times$, $>$ and $\times$

C. $\div$, $+$, $>$ and $\times$

D. $\div$, $+$ $>$ and $\times$

Answer: B

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122. If "-" denotes "divided by", "+" denotes "subtracted from", $\div$ denotes "added to" and $\times$ denotes "multiplied by", then $4 \div 16 \times 5 + 4 - 2 = ?$

A. 2

B. 43

C. 22

D. 67

Answer: D



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123. In the following question, by using which mathematical operators will the expression become correct?

$32 ? 2 ? 8 ? 14 ? 4$

A. $\times$, $+$, $=$ and $\div$

B. $+$, $+$, $=$ and $\times$

C. $\times$, $-$, $=$ and $\times$

D. $+$, $\times$, $=$ and $\times$

Answer: C



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124. If "/" denotes "multiplied by", "+" denotes "subtracted from", "x" denotes "added to" and "-" denotes "divided by" then

$$12 - 6 + 28X\frac{3}{9} = ?$$

A. - 24

B. 1

C. - 53

D. 8

Answer: B



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125. If "+" denotes "divided by", " $\times$ " denotes "added to", " $\div$ " denotes "subtracted from" and "-" denotes "multiplied by", then

$$54 + 162 - 18 \times 12 \div 6 = ?$$

- A. 4
- B. 16
- C. 12
- D. 10

Answer: C



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126. If "-" means "added to", "+" means "divided by", " $\div$ " means "multiplied by", " $\times$ " means "subtracted from", then

$$13 + 12 \times 9 \div 3 - 6 = ?$$

- A. $\frac{-117}{11}$

B. $\frac{117}{11}$

C. $\frac{-237}{12}$

D. $\frac{-239}{12}$

Answer: D



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127. If $' \times '$ denotes "added to", $' + '$ denotes "subtracted from", $' \div '$ denotes "divided by" and $' - '$ denotes "multiplied by", then

$$14 \times 12 - 16 + 18 = ?$$

A. 430

B. 180

C. 168

D. 188

Answer: D

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128. In a certain code language, '+' represents ' $\times$ ', '-' represents '+', ' $\times$ ' represents ' $\div$ ' and ' $\div$ ' represents '-'. What is the answer to the following question ?

$$27 \times 3 \div 30 + 5 - 125 = ?$$

A. 69

B. 67

C. - 15

D. - 16

Answer: D

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129. In a certain code language, '+' represents ' $\times$ ', '-' represents '+', ' $\times$ ' represents ' $\div$ ' and '-' represents '-'. What is the answer to the

following question?

$$80 \times 16 \div 4 + 2 - 8 = ?$$

A. 11

B. 64

C. 30

D. 5

Answer: D



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130. In a certain code language, '+' represents ' $\times$ ', '-' represents '+', ' $\times$ ' represents ' $\div$ ' and ' $\div$ ' represents '-'. What is the answer to the following question?

$$56 \div 8 + 12 - 72 = ?$$

A. 32

B. 88

C. 44

D. 82

Answer: A



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131. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question?

$$50 + 5 - 700 \times 28 = ?$$

(A) 94 (B) 100 (C) 90 (D) 275

A. 94

B. 100

C. 90

D. 275

Answer: D

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132. In a certain code language '+' represents 'X', '-' represents '+', 'X' represents ' $\div$ ' and ' $\div$ ' represents '-'. What is the answer to the following question?

$$234 \times 9 - 12 + 4 = ?$$

(A) 74 (B) 48 (C) 94 (D) 82

A. 74

B. 48

C. 94

D. 82

Answer: A

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133. What will come in place of question mark (?) in the given equation ?

$$39 ? 11 ? 33 ? 117$$

A. $+$, $\div$ and $=$

B. $\div$, $\times$ and $=$

C. $\times$, $=$ and $\times$

D. $\times$, $\div$ and $=$

Answer: B



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134. In the following question, by using which mathematical operators will the expression become correct?

$$69 ? 3 ? 2 ? 9 ? 3$$

A. $\div$, $-$, $>$ and $\times$

B. $\div$, $+$, $<$ and $\times$

C. $\div$, $-$, $=$ and $\times$

D. $\div$, $+$, $<$ and $\times$

Answer: B



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135. In the following question, by using which mathematical operators will the expression become correct?

$9 ? 3 ? 6 ? 8 ? 4$

A. $-$, $\times$, $=$ and $\times$

B. $\div$, $+$, $>$ and $+$

C. $+$, $\times$, $<$ and $\times$

D. $\times$, $+$, $<$ and $\times$

Answer: C



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136. In a certain code language, '-' represents '×', '÷' represents '+', '+' represents '÷' and '×' represents '-'. Find out the answer to the following question.

$$15 - 6 + 10 \times 3 \div 2 = ?$$

A. 24

B. 9

C. 2

D. 8

Answer: D



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137. In a certain code language, '-' represents 'x', '÷' represents '+', '+' represents '÷' and 'x' represents '-'. Find out the answer to the

following question.

$$19 \div 2 - 35 + 10 \times 6 = ?$$

A. 20

B. 14

C. 32

D. 27

Answer: A



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TYPE-I (ii)

1. In the following question you have to identify the correct response from the given premises stated according to following symbols.

If $\rightarrow$ stands for addition, $\leftarrow$ stands for subtraction, $\uparrow$ stands for division, $\downarrow$ stands for multiplication, $\nearrow$ stands for equal to then which of the following alternatives is correct?

A. $2 \downarrow 5 \leftarrow 6 \rightarrow 2 \nearrow 6$

B. $5 \rightarrow 7 \leftarrow 3 \uparrow 2 \nearrow 4$

C. $3 \downarrow 6 \uparrow 2 \rightarrow 3 \leftarrow 6 \nearrow 5$

D. $7 \leftarrow 43 \uparrow 6 \downarrow 1 \nearrow 4$

Answer: A



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TYPE-I (iii)

1. If 'a' denotes ' $\div$ ', 'b' denotes '+', 'c' denotes '-', 'd' denotes ' $\times$ ' then

$$24a6d4b9c8 = ?$$

A. 2

B. 17

C. 34

D. 19

Answer: B



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2. A stands for addition, B for subtraction, C for 'division', D for multiplication, E for 'less than', F for greater than and G for equal to.

'Out of the alternatives only one expression is correct according to the letter symbols. Identify that.'

A. $18C2A4B6G9$

B. $6D4B12A4C2F18$

C. $10C2D4B6E12$

D. $9A7B4C2G14$

Answer: D



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3. If P denotes +, Q denotes -, R denotes $\div$ and S denotes $\times$, then
 $18S36R12Q6P7 = ?$

A. 115

B. 25

C. 55

D. $\frac{648}{13}$

Answer: C



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4. In the following questions you have to identify the correct responses from the given premises stated according to following symbols

'A' stands for 'equal to'

'B' stands for 'less than'

'C' stands for 'greater than'

'D' stands for 'not greater than'

'E' stands for 'not equal to'

'F' stands for 'not less than'.

Permises (3XB2Y) and (2YDZ)

A. 3 X A Z

B. 3 X D Z

C. 3 X F Z

D. 3 X B Z

Answer: D



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5. In the following questions you have to identify the correct responses from the given premises stated according to following symbols

'A' stands for 'equal to'

'B' stands for less than'

'C' stands for 'greater than'

'D' stands for 'not greater than'

'E' stands for 'not equal to'

'F' stands for 'not less than'.

Premises : $(7 X B 3Y)$ and $(6Y D 2Z)$

A. $7X C 2Z$

B. $7X B 2Z$

C. $7X D 2Z$

D. $7X A 2Z$

Answer: B



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6. If J represents +, K represents -, L represents $\div$ and M represents $\times$
then

$$18M36L12K6J7 = ?$$

A. 115

B. 55

C. $(648)(18)$

D. 25

Answer: B



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+	-	x	+	=	>	<
B	G	E	C	D	A	F

7.

Of the four alternatives only one expression has the correct relationship.

Identify that and indicate your answer.

A. $15C15B8F4B6C3$

B. $15B5G8B4G6F3$

C. $15A5E8C4B6E3$

D. $15C5F8C4B6C3$

Answer: D



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8. If A represents +, B represents -, C represents $\times$ and D represents $\div$ then which of the following statements is true?

A. $8B6D2A4C3 = 15$

B. $9C9B9D9A9 = 17$

C. $8A8B8C8 = -48$

D. $3A3B3C3A3D3 = 4$

Answer: C



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9. If A means ' $\times$ ', D means '+' and G means '-', find the value of $7A4D4A3G2$

A. 28

B. 38

C. 44

D. 48

Answer: B



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10. If $L = +$, $M = -$, $N = \times$, $P = \div$, then $5N5P5L5M5 = ?$

A. 0

B. 5

C. 10

D. 15

Answer: B



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11. If L for +, M stand for -, N stands for $\times$, P stands for $\div$, then $14\ N\ 10\ L\ 42\ P\ 2\ M\ 8 = ?$

A. 153

B. 216

C. 248

D. 251

Answer: A



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12. Some symbols are represented by alphabets as

$+$	$-$	$\times$	$\div$	$=$	$>$	$<$
<i>B</i>	<i>G</i>	<i>E</i>	<i>C</i>	<i>D</i>	<i>A</i>	<i>F</i>

of the four alternatives only one expression has the correct relationship.

Identify that:

A. $18F^3B6E8G4E12$

B. $18C^3G6B8B4D12$

C. $18A^3E6B8G4B12$

D. $18C^3D6B8C4G12$

Answer: B



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13. If 'P' stands for '-', 'Q' stands for ' $\times$ ', 'R' for ' $\div$ ' and 'S' for '+', then what is the value of the given equation? $14Q3P12S4R2 = ?$

A. 17

B. 32

C. 28

D. 6

Answer: B

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14. If L denotes $\times$, M denotes $\div$, P denotes $+$ and Q denotes $-$, then find the value of $16 P 24 M 8 Q 6 M 2 L 3 = ?$

- A. 6
- B. 8
- C. 10
- D. 12

Answer: C

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15. If A stands for 'addition', M for 'multiplication', D for 'division', G for 'greater than' and L for 'Lesser than' then which of the following will be logically correct?

A. $20A4D4L4A6D2$

B. $20D5G8D4A6M3$

C. $20D4A4L4A2M3$

D. $20A2G10M3A12D2$

Answer: C



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16. X stands for +, Y stands for −, and P stands for $\times$, then what is the value of $10P2X5Y5$?

A. 10

B. 15

C. 20

D. 25

Answer: C

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17. If 'P' means '+', 'Q' means ' $\times$ ', 'R' means ' $\div$ ' and 'S' means '-' then
 $44Q9R12S6Q4P16 = ?$

A. 25

B. 112

C. 36

D. 124

Answer: A

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18. If 'R' stands for '-', 'A' stands for '+', 'B' stands for ' $\div$ ' and 'C' stands for ' $\times$ ', then what is the value, of the given equation? (BODMAS rule will not be applicable)

$25A37C2B4R1 = ?$

A. 32

B. 35

C. 30

D. 27

Answer: A



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19. If P denotes $\div$, Q denotes $\times$, R denotes $+$ and S denotes $-$, then $12 \text{ Q } 15 \text{ P } 3 \text{ R } 4 \text{ S } 6 = ?$

A. 70

B. 57

C. 58

D. 68

Answer: C



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20. You have to follow the symbolic interpretation to solve the question.

$+$ = Greater than

$\times$ = Equal to

$\neq$ = Not less than

$\neq$ = Not equal to

$<$ = Less than

$\leq$ = Not greater than

Then if $A - B \leq C$, which of the following is implied ?

A. $A \mid B + C$

B. $A \mid B \mid C$

C. $A + B - C$

D. $A \leq B \mid C$



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21. If A stands for +, Q stands for -, V stands for $\times$, R stands for $\div$, then what is the value of the given equation ?

$$225 \text{ R } 5 \text{ A } 64 \text{ Q } 13 \text{ V } 6 = ?$$

A. 376

B. 15

C. 376

D. 576



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22. If 'P' denotes 'multiplied by', T denotes 'subtracted from', 'M' denotes 'added to' and 'B' denotes 'divided by' then : what should be the correct response of $12 \text{ P } 6 \text{ M } 15 \text{ T } 16 \text{ B } 4$?

A. 70

B. 75

C. 83

D. 110

Answer: C



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23. If $+$ Greater than, ϕ =Not greater than, $-$ = Not less than , $\times$ = Equal to $|$ = Less than and $\neq$ = Not equal to, then of $A \mid B \times C$ which of the following is true ?

A. $B + C \mid A$

B. $C - B + A$

C. $B \mid A \mid C$

D. $A \phi B \mid C$

Answer: B



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24. Identify one response which would be a correct inference from the given premises stated according to the following symbols :

'A' stands for not greater than

'B' stands for equal to

'C' stands for less than

'D' stands for not less than

'E' stands for not equal to

'F' stands for greater than

Premises (2 MBN) and (2N A 3K)

A. 2M D 3K

B. 2M B 3K

C. 2M C 3K

D. 2K B 3N

Answer: C



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25. B' stands for addition, 'G' stands for subtraction, 'E' stands for multiplication, 'C' stands for division, 'D' stands for equal to, 'A' stands for greater than, 'F' stands for less than. In each of the four alternatives, only one expression is correct according to the letter symbol. Identify that expression.

A. $15C3B2A6E2$

B. $15B2G5A4G4$

C. $15C3B2D6B1$

D. $15B3D4E6$



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26. If A denotes +, B denotes - and C denotes $\times$, then

$$(10C4)A(4C4B6) = ?$$

A. 46

B. 50

C. 55

D. 58

Answer: B



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27. If P denotes +, Q denotes -, R denotes $\div$ and S denotes $\times$, then

$$18S36R12Q6P7 = ?$$

A. 115

B. 65

C. 55

D. 25

Answer: C



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28. If P denotes $\div$, Q denotes $\times$, R denotes $+$ and S denotes $-$, then what is the value of $18 Q 12 P 4 R 5 S 6$

A. 64

B. 53

C. 81

D. 24

Answer: B



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29. If A means $+$, B means $\times$, C means $\div$, D means $-$ then the value of given equation will be $9A2B6D4C2$

A. 16

B. 19

C. 27

D. 30

Answer: B



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30. If D stands for $\times$, S stands for $+$, A stands for $-$ and M stands for $\div$, what is the value of the given expression $28D6S34M2A8D6$?

A. 558

B. 3312

C. 137

D. 31

Answer: C



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31. If 'A' stands for '+', 'B' stands for '-', 'C' stands for ' $\times$ ', what is the value of $(10C4)A(4C4)B16 = ?$

A. 40

B. 56

C. 86

D. 60

Answer: B



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32. If a denotes $\times$, b denotes $\div$, C denotes $+$ and d denotes $-$, then $8a3c24b12d19 = ?$

A. 17

B. 7

C. 14

D. 8

Answer: B



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33. If A denotes $-$ C denotes $\times$ D denotes $:$ $-$ E denotes $+$ then
 $14C3A12E4D2=?$

यदि A- को प्रदर्शित करता है C, $\times$ को प्रदर्शित करता है D : $-$ को प्रदर्शित करता है E + को प्रदर्शित करता है तो $14C3A12E4D2=?$

A. 6

B. 17

C. 28

D. 32

Answer: D



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34. If A denotes '+', B denotes '-', C denotes $\times$ and D denotes $\div$, then which of the following statement is true?

A. $8B6D2A4C3 = 15$

B. $8A8B8C8 = -48$

C. $9C9B9D9A9 = 17$

D. $3A3B3C3A3D3 = 4$

Answer: B



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35. If P denotes multiply, T denotes subtraction, M denotes addition, B denotes division then $28B7P8T6M4 = ?$

A. 28

B. 30

C. 32

D. 34

Answer: B



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36. If L denotes $\times$, M denotes $\div$, P denotes $+$ and Q denotes $-$, then find the value of $16 P 24 M 8 Q 6 M 2 L 3 = ?$

A. $\frac{13}{6}$

B. $\frac{-1}{6}$

C. $14\frac{1}{2}$

D. 10

Answer: D



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37. If 'L' stands for '+', 'M' stands for '-', N stands for ' $\times$ ', P stands for ' $\div$ ' then

$$14N10L42P2M8 = ?$$

A. 153

B. 216

C. 248

D. 251

Answer: A



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38. If P denotes ' $\div$ ', Q denotes ' $\times$ ', R denotes '+' and S denotes '-', then

$$18Q12P4R5S6 = ?$$

A. 53

B. 54

C. 57

D. 95

Answer: A



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39. If "K" means "subtracted from", "L" means "divided by", "M" means "added to" and "D" means "multiplied by", then $96L4K6M11D9 = ?$

A. 117

B. 125

C. 120

D. 145

Answer: A



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40. If "S" denotes "multiplied by", "V" denotes "subtracted from", "M" denotes "added to" and "L" denotes "divided by", then $7V24M77L11S5 = ?$

A. 21

B. 18

C. 35

D. 27

Answer: B



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41. If "S" denotes "multiplied by", "V" denotes "subtracted from", "M" denotes "added to" and "L" denotes "divided by", then

$$2V13M77L11S5 = ?$$

A. 23

B. 24

C. 34

D. 44

Answer: B



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42. If "K" means "subtracted from", "L" means "divided by", "M" means "added to" and "D" means "multiplied by", then $96L4K6M11D9 = ?$

A. 117

B. 125

C. 120

D. 145

Answer: A

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43. If "A" means "minus", "B" means "divided by", "C" means "plus" and "D" means "multiplied by", then $54B6A4C2D5 = ?$

A. 15

B. 21

C. 16

D. 18

Answer: A

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44. If "A" means "subtraction", "B" means "division", "C" means "addition" and "D" means "multiplication", then $294B7A40C33D11 = ?$

A. 369

B. 365

C. 368

D. 363

Answer: B



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45. If "S" denotes "multiplied by", "V" denotes "subtracted from", "M" denotes "added to" and "L" denotes "divided by", then $72L24S3V7M2 = ?$

A. 4

B. 6

C. 8

D. 10

Answer: A



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46. If "A" means "plus", "B" means "divide", "C" means "multiply" and "D" means "minus", then

$$180B36C5A8D32 = ?$$

A. 0

B. 3

C. 1

D. 2

Answer: C



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47. If "S" denotes "multiplied by", "V" denotes "subtracted from", "M" denotes "added to" and "L" denotes "divided by", then

$$96L8S4V16M9 = ?$$

A. 32

B. 37

C. 41

D. 48

Answer: C



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48. If P denotes ' $\div$ ', Q denotes ' $\times$ ', R denotes '+' and S denotes '-', then

$$18Q12P4R5S6 = ?$$

A. 34

B. 53

C. 36

D. 65

Answer: B



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49. If "A" denotes "divided by", "C" denotes "subtracted from", "D" denotes "added to" and "B" denotes "multiplied by", then $15A3D24C12B2 = ?$

A. 5

B. 9

C. 3

D. 7

Answer: A



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50. If $6A11B33 = 18$ and $4B18A9 = 8$ then $3A5B35 = ?$

A. 12

B. 25

C. 21

D. 18

Answer: C



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51. If "B" denotes "multiplied by", "C" denotes "subtracted from", "A" denotes "added to" and "D" denotes "divided by", then which of the following equation is true?

A. $24D12B3A12 = 18$

B. $36D6B3A2 = 74$

C. $42A7B2D2 = 35$

D. $56D14B2C4 = 12$

Answer: A



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52. If "P" denotes "multiplied by", "Q" denotes "subtracted from", "S" denotes "added to" and "R" denotes "divided by", then which of the following equation must be true?

A. $7S56P2R28 = 11$

B. $36R6P2S4 = 19$

C. $64R8P3S6 = 72$

D. $36R9S4P2 = 14$

Answer: A



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53. If $7^2 \text{ A } 7 \text{ B } 9 = 16$ and $5^2 \text{ A } 5 \text{ B } 7 = 12$, then $9^2 \text{ A } 3 \text{ B } 8 = ?$

A. 17

B. 92

C. 86

D. 35

Answer: D



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54. If "P" denotes "multiplied by", "R" denotes "subtracted from", "S" denotes "added to" and "Q" denotes "divided by", then which of the following equation is true?

A. $18R60Q15S2 = 8$

B. $15S16Q2P4 = 47$

C. $3P5R18Q3 = 6$

D. $15S28Q4P2 = 27$

Answer: B



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55. If "K" denotes "multiplied by", "M" denotes "subtracted from", "J" denotes "added to" and "L" denotes "divided by", then

$44 \text{ M } 24 \text{ K } 56 \text{ L } 14 \text{ J } 60 = ?$

A. 16

B. 72

C. 8

D. 140

Answer: C



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56. If $13L4A7 = 41$ and $14A3L12 = 54$, then $12L3A9 = ?$

A. 84

B. 39

C. 42

D. 56

Answer: B



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57. If 'P' means '+', 'Q' means '-', 'R' means ' $\div$ ' and 'S' means ' $\times$ ' then which of the following equation is correct?

A. $14R7S6P4Q3 = 11$

B. $9S8P6R4S8 = 80$

C. $3S6P2Q3R6 = \frac{35}{2}$

D. $11R12S48P10Q6 = 48$

Answer: D



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58. If 'P' means '+', 'Q' means '-', 'R' means ' $\div$ ' and 'S' means ' $\times$ ', then

$46S14R2P11Q6 = ?$

A. 319

B. 327

C. -217

D. 317

Answer: B



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59. If 'J' means '+', 'K' means '-', 'T' means ' $\times$ ' and 'U' means ' $\div$ ', then

$$18 \text{ T } 3 \text{ U } 27 \text{ J } 2 = ?$$

A. 6

B. 2

C. 4

D. 3

Answer: C



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TYPE-I (iv)

1. If X stands for addition, V stands for subtraction, U stands for 'equal to'.

$\wedge$ stands for division, $\sum$ stands for multiplication, σ stands for greater than and $\text{and } \sigma$ stands for less than. State which expression is true.

A. $3X8V2U12 \wedge 3$

B. $13V12X9V2\sigma5 \sum 1$

C. $2 \sum 3 \sum 4\sigma51 \wedge 3$

D. $3 \sum 2 \sum 4U2X7V3$

Answer: B



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2. If $+$, $-$, $\times$, $\div$, $=$, $>$ and $<$ are represented as δ , $*$, γ , η , ω , β and α respectively then, which of the following is correct?

A. $3\gamma6\eta2\delta8 * 4\omega5$

B. $3\eta6\gamma2\delta8 * 4\beta5$

C. $3\gamma6 * 2\delta8\eta4\alpha5$

D. $3\delta6 * 2\gamma8\eta4\omega5$

Answer: D



3. If 'S' is written as 'H', 'R' as '@', 'A' as ∇ , 'M' as '#', 'T' as '

A. $\# \nabla H \$ \% @$

B. $\# H \nabla \$ \% @$

C. $\# \nabla \$ H \% @$

D. $\# \nabla H \% @$

3. If 'S' is written as 'H', 'R' as '@', 'A' as ∇ , 'M' as '#', 'T' as '

A. $\# \nabla H \$ \% @$

B. $\# H \nabla \$ \% @$

C. $\# \nabla \$ H \% @$

D.

Answer: A



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and 'E' as%, then how is 'MASTER' written in that code?

A. ###OPT1###

B. ###OPT2###

C. ###OPT3###

D. ###OPT4###

Answer: ###ANSWER###



###BUTTON_TEXT###

4. If theta denotes "added to" , sigma denotes "subtracted from" , beta denotes "divided by" and alpha denotes "multiplied by" , then

$$5\beta 1\sigma 9\alpha 7\theta 142 = ?$$

A. 114

B. 98

C. 84

D. 125

Answer: D



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5. In the question given below, the symbols used are as

Δ = equal to

$\oplus$ = not equal to

$+$ = greater than

$\emptyset$ = less than

$-$ = not less than

O = not greater than Read the question and mark the correct response.

If $X - Y - Z$ then it does not.

A. $X \oplus Y \Delta Z$

B. $X \circ Y + Z$

C. $X \circ Y - Z$

D. $X \circ Y + Z$



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6. If $x \% y = y^2 - x^2$, $x \$ y = x \div y^2$, $x \# y = 2xy$, then value of $\{(13 \% 5) \$ 6\} \# 15$ is

A. 480

B. 720

C. - 360

D. - 120

Answer: D



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7. In a certain code language, @ represents $+$ $\oplus$ represents $' - '$, α represents $' \div '$ and Θ represents $' \times '$. Find out the answer to the following question.

$$107 \Theta 3 \oplus 64 \alpha 8 \oplus 2 \Theta 9 = ?$$

A. 295

B. 290

C. 209

D. 105

Answer: A



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8. If $324 \oplus 289 = 35$, $441 \oplus 484 = 43$ then $625 \oplus 400 = ?$

A. 43

B. 45

C. 34

D. 44



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9. If ' ' # ' ' means "subtraction". "&" means "division", @ means "addition" and "%" means "multiplication", then

$$217 \& 7 \# 3 @ 2 \% 7 = ?$$

A. 21

B. 19

C. 22

D. 42

Answer: D



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TYPE-I (v)

1. Which of the following options is correct ?

If $\bigcirc = 6$, $\triangle = 3$, $\square = 5$, $\diamond = 4$,

$\square = 8$, $\square = 10$, then

$$(\square \times \triangle) \div \diamond = ?$$

(1) $\bigcirc$

(2) $\diamond$

(3) $\square$

(4) $\triangle$



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2. Which of the following options is correct ?

$$\text{If } \square = 12$$

$$\triangle = 15$$

$$\square = 6$$

$$\text{parallelogram} = 4$$

$$\bigcirc = 3$$

$$\text{then } (\triangle + \square) + \bigcirc ?$$

A. 8

B. 9

C. 7

D. 6

Answer: B



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3. Which of the following options is correct ?

$$\text{If } \square = 12$$

$$\triangle = 15$$

$$\square = 6$$

$$\parallel = 4$$

$$\bigcirc = 3$$

$$\text{then } (\square \times \parallel) + \square = ?$$

A. 54

B. 10

C. 12

D. 14

Answer: A



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If $\square = 12$, $\triangle = 15$, $\square = 6$,

$\nabla = 4$, $\bigcirc = 3$, then write the answer in symbol :

$$\triangle + \bigcirc - \square = ?$$

(1) $\triangle$

(2) $\square$

(3) $\square$

(4) $\bigcirc$

4.



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$$\square = 12$$

$$\triangle = 15$$

$$\square = 6$$

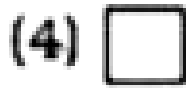
$$\text{parallelogram} = 4$$

$$\bigcirc = 3$$

5.

then write the answer in symbol

$$\square + \parallel = ?$$



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6. If rectangle = 12, triangle = 15, square = 6, parallelogram = 4 and circle = 3, solve the equation using the above values and answer in figures.

$$\frac{\text{rectangle} + \text{square}}{\text{triangle}} = ?$$

A. $\frac{4}{5}$

B. $\frac{3}{5}$

C. $\frac{6}{5}$

D. $\frac{2}{3}$

Answer: C

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7. Certain numbers have symbols as given below.

1	2	3	4	5	6	7	8	9	0
									

What is the number indicated by these symbols ?



A. 5 6 9 0 7

B. 4 5 0 9 6

C. 4 5 9 0 6

D. 4 7 0 9 5

Answer: C



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8. Identify the symbols to be inserted to make the expression correct.

$$24\Delta 4\Delta 5\Delta 4$$

A. $\times + \times$

B. $= \times +$

C. $\times + =$

D. $+ = \times$

Answer: B



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9. Select the missing symbol from the given order :

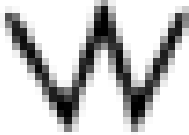
$\square \bigcirc W \Delta | \square \bigcirc W \Delta | \square \bigcirc ?$



A.

B. $\triangle$

C. $\circ$



D.

Answer: D



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10. Which of the following options is correct ?

If # means $<$; $\circ$ means $>$; $\square$ means $=$; then which of the following follows definitely from a $\circ b \# c \square d$?

A. $a \square c$

B. $b \circ c$

C. $b \square d$

D. $b\#d$

Answer: D



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11. If ' $*$ ' means subtraction, ' $\div$ ' means division, ' $\square$ ' means addition and ' $\%$ ' means multiplication, then find the value of :

$$13 \square 3 * 6 \% 8 - 4 \square 14 = ?$$

A. 18

B. 14

C. 12

D. 8

Answer: A



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1. Directions : In the following question you have to identify the correct response from the given premises stated according to following symbols.

If $> = \div$, $< = +$, $\wedge = -$, $\times = <$, $- = >$, $+ = =$ and

$\vee = \times$

A. $6 > 3 < 2 \wedge 4 \vee 8 - 13$

B. $6 \wedge 3 < 2 > 4 \vee 8 + 13$

C. $6 \vee 3 \wedge 2 > 4 < 8 \times 13$

D. $6 \vee 3 > 2 < 4 \wedge 8 \times 13$

Answer: D



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2. Directions : In the following question you have to identify the correct response from the given premises stated according to following symbols.

If

$> = \div$, $\vee = \times$, $< = +$, $\wedge = -$, $+ = =$, $\times = <$, $- = >$

A. $6 < 2 > 3 \wedge 8 \vee 4 + 13$

B. $6 \wedge 3 < 2 > 4 \vee 8 + 13$

C. $6 \vee 2 < 3 \wedge 8 > 4 \times 13$

D. $6 > 2 \vee 3 < 8 \wedge 4 + 13$

Answer: D



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3. If $\div$ stands for 'greater than'. $\times$ stands for 'addition' $+$ stands for division. $-$ stands for 'equal to' $>$ stands for 'multiplication', $=$ stands for 'less than', $<$ stands for 'minus' then which of the following alternatives is correct?

A. $5 > 2 < 1 - 3 \times 4 \times 1$

B. $5 < 2 \times 1 \div 3 > 4 \times 1$

C. $5 > 2 \times 1 - 3 > 4 < 1$

D. $5 + 2 \times 1 = 3 + 4 > 1$

Answer: C



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4. If $\times$ stands for addition, $<$ for subtraction, $+$ stands for division, $>$ stands for multiplication, $-$ stands for equal, $\div$ stands for greater than, and $=$ stands for less than, state which of the following is true?

A. $5 > 8 + 4 = 10 < 4 \times 8$

B. $3 \times 4 > 2 - 9 + 3 < 3$

C. $5 \times 3 < 3 \div 8 + 4 \times 1$

D. $3 \times 2 < 4 \div 16 > 2 \times 4$



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5. If '+' stands for 'multiplication', ' $<$ ' stands for division', ' $\div$ ' stands for subtraction, '-' stands for 'addition' and ' $\times$ ' stands for 'greater than', identify which expression is correct.

A. $20 - 4 \div 4 + 8 < 2 \times 26$

B. $20 \times 8 + 15 < 5 \div 9 - 8$

C. $20 < 2 + 10 \div 4 - 6 \times 100$

D. $20 < 5 + 25 \div 10 - 2 \times 96$

Answer: C



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6. In the following problem,

$=$ stands for $\div$

$+$ stands for $-$

$\times$ stands for $=$

$-$ stands for $>$

$>$ stands for $+$

$<$ stands for $\times$

$\div$ stands for $<$

When these new symbols are substituted, only one will be wrong. Identify the wrong one.

A. $4 < 2 + 5 + 8 \times 5$

B. $4 = 2 + 5 + 8 \times 5$

C. $4 < 2 > 5 + 8 \times 5$

D. $4 > 2 < 5 + 8 - 5$

Answer: A



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7. If $>$ denotes $+$, $<$ denotes $-$, $+$ denotes $\div$, $\wedge$ denotes $\times$, $-$ denotes $=$, $\times$ denotes $>$ and $=$ denotes $<$, choose the correct statement in each of the following questions.

A. $13 > 7 < 6 + 2 = 3 \wedge 4$

B. $9 > 5 > 4 - 18 + 9 > 16$

C. $9 < 3 < 2 > 1 \times 8 \wedge 2$

D. $28 + 4 \wedge 2 = 6 \wedge 4 + 2$

Answer: B



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8. You have to follow the symbolic Interpretation to solve the problem

$\neq$ greater than

$\neq$ not less than

$\neq$ less than

$\neq$ not greater than

$\times$ = equal to

$\angle$ = not equal to

If $x \angle y + z$ which of the following implied?

A. $x \times y \mid z$

B. $x - y \times z$

C. $x \angle y \phi z$

D. $x - y \angle z$

Answer: D



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9. Identify the correct response from the given premises stated according to following symboles.

'A' stands for not less than ($\nless$)

'B' stands for not equal to ($\neq$)

'C' stands for not greater than ($\ngtr$)

'D' stands for greater than ($>$)

'E' stands for less than ($<$)

'F' stands for equal to ($=$)

A. 2 Y D 3 Z

B. 2 Y E 3 Z

C. 4 Y B 5 Z

D. 2 Y F 3 Z

Answer: D



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10. If '+' stands for '+', '-' stands for '=', 'x' stands for '+', '+' stands for greater than, '=' stands for less than, '>' stands for multiplication and '<' stands for subtraction, then which of the following alternatives is correct?

A. $5 \div 2 \times 1 = 3 + 4 > 1$

B. $5 > 2 \times 1 - 3 > 4 < 1$

C. $5 \times 2 < 1 - 3 < 4 \times 1$

D. $5 < 2 \times 1 \div 3 > 4 \times 1$

Answer: B



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11. If '+' means subtraction, ' $\div$ ' means addition, '<' means multiplication and '>' means division, then find the value of the given statement. The value of $9 \div 7 < 8 > (4 > 2) + 5$ will be

A. 32

B. 18

C. 16

D. 11

Answer: A

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12. If '+' means division, '-' means multiplication, ' $\div$ ' means subtraction, ' $\times$ ' means addition and '<' means less than then which of the following is false?

A. $(10 + 2) \div 7 < (10 \div 7) + 2$

B. $(10 - 7) \times 2 < (10 \times 2) - 7$

C. $(10 \times 7) - 2 < (10 - 2) \times 7$

D. $(10 \div 2) + 7 < (10 + 7) \times 2$

Answer: C



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TYPE-I (vii)

1. In the following question you have to identify the correct response from the given premises stated according to the following symbols.

If $\div$ stands for 'greater than', $\times$ stands for 'addition', $+$ stands for 'division', $-$ stands for 'equal to', $>$ stands for 'multiplication', $=$ stands for 'less than', $<$ stands for 'minus', then which of the following alternatives is correct?

A. $3 + 2 < 4 \div 6 > 3 \times 2$

B. $3 \times 2 < 4 \div 6 + 3 < 2$

C. $3 > 2 < 4 - 6 \times 3 \times 2$

D. $3 \times 2 \times 4 = 6 + 3 < 2$

Answer: B



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2. If '+' stands for '+', '-' stands for '=', 'x' stands for '+', '+' stands for greater than, '=' stands for less than, '>' stands for multiplication and '<' stands for subtraction, then which of the following alternatives is correct?

A. $5 + 2 \times 1 = 3 + 4 > 1$

B. $5 > 2 \times 1 - 3 > 4 < 1$

C. $5 \times 2 < 1 - 3 < 4 \times 1$

D. $5 < 2 \times 1 \div 3 > 4 \times 1$

Answer: B



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3. Which of the following options is correct ?

If ® stands for +, ¬ stands for - stands for ÷, ¯ stands for ×, ↗ stands for =, which one is correct ?

(1) $2 \div 5 \times 6 + 2 = 6$

(2) $5 + 7 \div 4 - 2 \times 3$

(3) $3 \div 6 - 2 + 3 \times 6 = 5$

(4) $7 \times 43 - 6 \div 1 = 4$



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4. Some equations are solved on the basis of a certain system. Find out the correct answer for the unsolved equation on that basis.

If $8 + 8 = 72$, $5 + 5 = 30$ and $7 + 7 = 56$, what is $6 + 6 = ?$

A. 40

B. 42

C. 30

D. 36

Answer: B



Watch Video Solution

5. Some equations are solved on the basis of a certain system. Find out the correct answer for the unsolved equation on that basis.

If $3 \div 5 = 5$, $4 \div 7 = 8$, $8 \div 7 = 6$ then, what should $9 \div 6$ be?

A. 4

B. 9

C. 5

D. 6

Answer: A



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6. Some equations are solved on the basis of a certain system. On the same basis find out the correct answer for the unsolved equation.

If $8 \times 2 = 61$, $8 \times 5 = 04$ what is $8 \times 10 = ?$

A. 80

B. 08

C. 8

D. 0

Answer: B



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7. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$5 + 7 + 2 = 725, 6 + 9 + 0 = 906, 8 + 4 + 3 = ?$$

A. 815

B. 384

C. 438

D. 834

Answer: B



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8. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$7 - 4 - 1 = 714,$$

$$9 - 2 - 3 = 932$$

$$8 - 0 - 4 = ?$$

A. 804

B. 840

C. 408

D. 480

Answer: C



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9. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$678 = 366, 567 = 255, 946 = ?$$

A. 334

B. 499

C. 699

D. 634

Answer: B



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10. If $1 + 4 = 9$, $2 + 8 = 18$, $3 + 6 = 15$ then $7 + 8 = ?$

A. 41

B. 23

C. 30

D. 32

Answer: D



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11. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$4 \times 5 = 42,$$

$$5 \times 6 = 56,$$

$$6 \times 7 = 72$$

$$7 \times 8 = ?$$

A. 84

B. 90

C. 92

D. 102

Answer: B



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12. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$58 \times 12 = 4, 37 \times 96 = 5,$$

$$11 \times 20 = 2, 42 \times 12 = ?$$

A. 2

B. 3

C. 4

D. 5

Answer: B



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13. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$5 \times 8 = 28, 3 \times 7 = 12, 8 \times 6 = 35, 13 \times 13 = ?$$

A. 169

B. 130

C. 140

D. 144

Answer: B

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14. In each of the following questions, some equations are solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis.

$$2 \times 4 \times 6 = 4, 9 \times 3 \times 7 = 13, 4 \times 7 \times 6 = 3, 9 \times 7 \times 8 = ?$$

A. 10

B. 09

C. 08

D. 07

Answer: D

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15. In each of the following questions, some equations are solved on the basis of certain system. Find out the correct answer for the unsolved

equation on that basis.

$$3 \times 5 \times 7 \times 2 = 24, 2 \times 4 \times 6 \times 8 = 22, 4 \times 4 \times 8 \times 9 = ?$$

- A. 33
- B. 25
- C. 144
- D. 1152

Answer: A



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16. If $7 \times 8 = 49$, $4 \times 4 = 12$ and $6 \times 4 = 18$, what will 9×6 be?

- A. 54
- B. 50
- C. 45
- D. None of the above

Answer: A



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17. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis

A. -59

B. 77

C. -15

D. 18

Answer: C



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18. Some equations are solved on the basis of a certain system. On the same basis, find out the correct answer for the unsolved equation.

$$2 \times 3 \times 4 = 432$$

$$5 \times 6 \times 7 = 765$$

$$7 \times 8 \times 9 = 987$$

$$2 \times 5 \times 7 = ?$$

A. 527

B. 752

C. 725

D. 257

Answer: A



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19. If $2 \times 16 = 8$, $8 \times 8 = 1$, $6 \times 12 = 2$, then $12 \times 144 = ?$

A. 11

B. 12

C. 16

D. 24

Answer: B



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20. Some equations are based on the basis of a certain system. Using the same solve the unsolved equation.

If $10 - 3 = 12$, $12 - 4 = 13$,

$14 - 5 = 14$, what is $16 - 6$?

A. 10

B. 15

C. 16

D. 18

Answer: B



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21. If 1 candle in box number 1 is placed in box number 2, then box -2 has twice the number of candles that box 1 has. If 1 candle from box-2 is placed in box-1, then box-2 and box-1 have the same number of candles. How many candles were there in box-1 and box-2 ?

	Box - 1		Box - 2
(1)	5	:	3
(2)	7	:	5
(3)	6	:	4
(4)	5	:	7



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22. In the imaginary language, the digits 0,1,2,3,4,5,6,7,8 and 9 are substituted by a,b,c,d,e,f,g,h, i and j. And 10 is written as be.

$dc \times f - (bf - d) \times d$ is equal to

A. bcf

B. abe

C. abb

D. bce

Answer: D



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23. Some equations have been solved on the basis of a certain system.

Find the correct answer for the unsolved equation on that basis.

$29 \times 13 = 14$, $76 \times 26 = 34$, then $64 \times 14 = ?$

A. 39

B. 32

C. 26

D. 54

Answer: D



Watch Video Solution

24. If $4 \times 5 \times 2 = 524$, $3 \times 7 \times 2 = 723$ and $6 \times 8 \times 7 = 876$ then
 $9 \times 4 \times 5 = ?$

A. 495

B. 459

C. 549

D. 954

Answer: C



Watch Video Solution

25. Some equations have been solved on the basis of certain system, Find the correct answer for the unsolved equation on that basis.

If $98 - 39 - 27 = 31$, $87 - 38 - 34 = 20$, 'then $79 - 25 - 12 = ?$

A. 51

B. 22

C. 42

D. 15

Answer: B



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26. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

$53-34=5334$

$$65-46=6456$$

$$75-24=?$$

A. 7542

B. 7524

C. 7452

D. 7254

Answer: A



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27. In this question some equation are solved on the base of a certain system on the the same base find out the correct answer from amongst the four alternatives for the unsolved equation .

$$6 \times 2 \times 9 = 269$$

$$8 \times 7 \times 1 = 781$$

$$4 \times 1 \times 3 = ?$$

A. 431

B. 413

C. 341

D. 143

Answer: D



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28. In this question, some equation are solved on the basis of a certain system. On the same bases find out the correct answer from amongst the four alternatives for the un· solved equation.

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$$3 \times 4 \times 5 = 435$$

$$4 \times 3 \times 2 = 342$$

$$2 \times 3 \times 4 = ?$$

A. 324

B. 342

C. 432

D. 243

Answer: D



Watch Video Solution

29. If $17+17=2895$

$18+18=3245$

$19+19=3615$

then, $23+23=?$

A. 5765

B. 5295

C. 2565

D. 4005

Answer: A



Watch Video Solution

30. If $24 \times 2 = 84$ and $32 \times 3 = 69$, then $13 \times 3 = ?$

A. 38

B. 93

C. 16

D. 10

Answer: B



Watch Video Solution

31. If $4 + 3 = 25$ and $8 + 4 = 80$ then, $3 + 2 = ?$

अगर $4 + 3 = 25$ और $8 + 4 = 80$ हो, तो $3 + 2 = ?$

A. 15

B. 10

C. 13

D. 12

Answer: B



Watch Video Solution

32. If $12 \times 16 = 188$, and $14 \times 18 = 248$, then find the value of $16 \times 20 = ?$

A. 320

B. 360

C. 316

D. 318

Answer: C



Watch Video Solution

33. If $64 + 7 = 460$

$43 + 8 = ?$

$25 + 8 = 212$

A. 360

B. 376

C. 332

D. 356

Answer: D



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34. If $6 \times 9 \times 3 = 963$ and $4 \times 8 \times 5 = 845$ then $9 \times 4 \times 7 = ?$ then

$9 \times 4 \times 7 = ?$

यदि $6 \times 9 \times 3 = 963$ and $4 \times 8 \times 5 = 845$ और $4 \times 8 \times 5 = 845$, तो

$$9 \times 4 \times 7 = ?$$

A. 974

B. 479

C. 497

D. 749

Answer: C



Watch Video Solution

35. If, $4 \times 3 = 14$, $5 \times 4 = 18$, $6 \times 5 = 22$, then find the value of 7×6 .

A. 20

B. 26

C. 30

D. 42

Answer: B



Watch Video Solution

36. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

$$8 \times 5 \times 0 = 805, 7 \times 4 \times 6 = 764, 6 \times 8 \times 9 = ?$$

A. 689

B. 698

C. 968

D. 986

Answer: B



Watch Video Solution

37. If $34 = 39304$, $27 = 19683$, then $13 = ?$

A. 2197

B. 10648

C. 56743

D. 17576

Answer: A



Watch Video Solution

38. If $1 \times 3 \times 5 = 1925$ and $7 \times 9 \times 11 = 4981121$, then find the value of $19 \times 21 \times 23 = ?$

यदि $1 \times 3 \times 5 = 1925$ और $7 \times 9 \times 11 = 4981121$ हो, तो $19 \times 21 \times 23$ किसके बराबर होगा?

A. 361529441

B. 361441289

C. 441361289

D. 361441529

Answer: D



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39. Given equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis :

$2 + 4 + 6 = 48$ and $3 + 2 + 8 = 48$, then $2 + 5 + 7 = ?$

A. 48

B. 70

C. 14

D. 59

Answer: B



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40. Some equation are solved on the basis of a certain ystem. On the same basis. Find out the correct answer from amongst the four alternatives to the unsolved equations.

$$1 \times 2 \times 3 = 231$$

$$3 \times 4 \times 5 = 453$$

$$5 \times 6 \times 7 = ?$$

A. 657

B. 675

C. 756

D. 765

Answer: B



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41. If $5 \times 4 \times 0 = 405$

$3 \times 2 \times 8 = 283$

then $1 \times 7 \times 6 = ?$

यदि $5 \times 4 \times 0 = 405$

$3 \times 2 \times 8 = 283$

तो $1 \times 7 \times 6 = ?$

A. 617

B. 716

C. 167

D. 761

Answer: D



Watch Video Solution

42. If $56 \times 11 = 9$, $37 \times 13 = 6$, $42 \times 12 = 3$,

then find the value of 87×77 .

यदि $56 \times 11 = 9$, $37 \times 13 = 6$, $42 \times 12 = 3$, तो 87×77 का मान बताइए।

A. 1

B. 2

C. 3

D. 4

Answer: A



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43. Some equations are solved on the basis of certain system. Find out the correct answer for unsolved equation on that basis :

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समीकरण का सही उत्तर बताइए। ?

$$4 \times 5 \times 8 = 584, 7 \times 3 \times 9 = 397, 9 \times 7 \times 3 = ?$$

A. 397

B. 793

C. 973

D. 739

Answer: D



Watch Video Solution

44. If $879=8$, $625=1$ and $586=9$, then $785=?$

A. 6

B. 7

C. 8

D. 9

Answer: A



Watch Video Solution

45. If $84 + 96 = 4842$, then $36 + 78 = ?$

A. 3918

B. 3678

C. 3819

D. 1839

Answer: A



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46. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

$$462 = 551$$

$$398 = 487$$

$$856 = ?$$

A. 745

B. 773

C. 945

D. 743

Answer: C



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47. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

$$7 \times 5 \times 6 = 576,$$

$$4 \times 2 \times 5 = 245,$$

$$8 \times 2 \times 5 = ?$$

A. 258

B. 285

C. 582

D. 852

Answer: B



Watch Video Solution

48. A certain system is followed to solve the problem . Accordingly find out the correct answer from the alternatives for the unsolved equation.

$$7 \times 4 \times 9 = 479$$

$$9 \times 5 \times 2 = 592$$

$$6 \times 9 \times 5 = 965$$

$$8 \times 6 \times 2 = ?$$

A. 286

B. 682

C. 628

D. 268

Answer: B



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49. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

$$15 \times 26 = 6512$$

$$29 \times 36 = 6923$$

$$46 \times 54 = ?$$

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$$15 \times 26 = 6512$$

$$29 \times 36 = 6923$$

$$46 \times 54 = ?$$

A. 5464

B. 4645

C. 4564

D. 4465

Answer: B



Watch Video Solution

50. If $23 \times 16 = 184$, $37 \times 10 = 185$, then $85 \times 12 = ?$

A. 511

B. 610

C. 510

D. 410

Answer: C



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51. Some equations are solved on the basis of certain system. Find the correct answer for the unsolved equation on that basis.

$$5 \times 4 \times 3 = 70,$$

$$6 \times 5 \times 4 = 140$$

$$7 \times 6 \times 5 = ?$$

A. 210

B. 220

C. 230

D. 240

Answer: D



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52. Some equations have been solved on the basis of a certain pattern.

Find the correct answer for the unsolved equation on that basis.

$$8 \times 7 \times 6 = 765$$

$$5 \times 3 \times 2 = 421$$

$$9 \times 6 \times 4 = ?$$

A. 583

B. 853

C. 841

D. 481

Answer: B



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53. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

$$7 \times 6 \times 8 = 678$$

$$8 \times 9 \times 7 = 987$$

$$6 \times 5 \times 7 = 567$$

$$5 \times 4 \times 6 = ?$$

A. 456

B. 564

C. 645

D. 654

Answer: A



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54. If, $6 \times 4 = 12$

$$4 \times 12 = 24$$

$$12 \times 6 = 36 \text{ then } 6 \times 9 = ?$$

A. 35

B. 24

C. 27

D. 31

Answer: C



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55. Some equations have been solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis.

$$9 \times 7 \times 4 = 794, 3 \times 4 \times 6 = 436, 4 \times 2 \times 7 = ?$$

A. 742

B. 247

C. 724

D. 472

Answer: B



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56. In this question, some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation.

$$8 + 5 - 5 = 45$$

$$12 + 6 - 5 = 77$$

$$14 + 5 - 10 = ?$$

A. 60

B. 80

C. 58

D. 76

Answer: B



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57. A certain system is followed to solve the problem . Accordingly find out the correct answer from the alternatives for the unsolved equation.

$$7 \times 4 \times 9 = 479$$

$$9 \times 5 \times 2 = 592$$

$$6 \times 9 \times 5 = 965$$

$$8 \times 6 \times 2 = ?$$

A. 286

B. 682

C. 628

D. 268

Answer: B



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58. If ""#"" means "subtraction", "&" means "division", @ means "addition" and "%" means "multiplication", then $505 \& 5 \# 4 @ 20 \% 5 = ?$

A. 211

B. 197

C. 210

D. 195

Answer: C



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59. If ' ' * ' ' denotes "added to", "&" denotes "divided by", "'@'" denotes "multiplied by" and "%%" denotes "subtracted from", then $399 \& 19 @ 21\%$
 $41 * 100 = ?$

A. 458

B. 500

C. 575

D. 600

Answer: B



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60. If $4 * 9 \% 2 = 47$ and $9 * 0 \% 6 = 84$, then $5 * 3 \% 7 = ?$

A. 38

B. 51

C. 42

D. 46

Answer: D



Watch Video Solution

61. If $1/4/3 = 254$ and $3/6/8 = 479$, then $5/2/7 = ?$

A. 416

B. 461

C. 368

D. 638

Answer: D



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62. If $6^2 \% 2^2 \wedge 3^2 = 41$ and $7^2 \% 5^2 \wedge 2^2 = 28$, then $5^2 \% 3^2 \wedge 1^2 = ?$

A. 17

B. 22

C. 13

D. 26

Answer: A



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63. If $14\$ 8= 91$ and $18 \$ 4= 51$ then $21 \$ 9= ?$

A. 160

B. 155

C. 151

D. 168

Answer: A



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64. If 15 (196) 29 and 16 (100) 6, then what is the value of 'A' in 31 (A) 48?

A. 361

B. 256

C. 324

D. 289

Answer: D



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65. Correct the following equation by interchanging the two signs and two numbers.

$$7 \times 6 + 5 - 4 = 33$$

- A. $-$, $\times$ and 4,5
- B. $\times$, $+$ and 4,5
- C. $+$, $-$ and 5,6
- D. $\times$, $-$ and 5,6

Answer: C



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66. If $3@3 * 3x = 3$ and $48@4 * 3 = 36$ then $91@13 * 2 = ?$

- A. 4
- B. 8
- C. 10

D. 14

Answer: D



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67. If 19 (36) 13 and 37 (81) 28 then what is the value of 'A' in 43 (A) 38 ?

A. 39

B. 25

C. 34

D. 64

Answer: B



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68. If $4 \times 9 \times 3 = 4$ and $5 \times 3 \times 1 = 3$, then

$$9 \times 9 \times 7 = ?$$

A. 5

B. 6

C. 7

D. 9

Answer: A



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69. If $(3)^2 @ 1 * 7 = 98$ and $(4)^2 @ 2 * 16 = 178$, then $(5)^2 @ 3 * 9 = ?$

A. 218

B. 262

C. 253

D. 259

Answer: B



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70. If $6 \circ 4 \circ 7 = 101$ and $2 \circ 5 \circ 11 = 150$, then what is the value of A in $A \circ 8 \circ 9 = 289$?

A. 5

B. 8

C. 12

D. 17

Answer: C



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71. If $27 (15) 33$ and $41 (13) 53$, then what is the value of 'A' in $26 (A) 35$?

A. 16

B. 13

C. 14

D. 11

Answer: A



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72. If $18 \times 12 = 206$ and $19 \times 22 = 408$, then $23 \times 36 = ?$

A. 878

B. 818

C. 794

D. 776

Answer: B



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73. If $11 \$ 25 = 18$, $12 \$ 20 = 16$ then what is the value of $4 \$ 50 = ?$

A. 42

B. 17

C. 27

D. 37

Answer: C



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74. If $35\% 31 = 12$, $92\% 30 = 14$ then what is the value of $15\% 24 = ?$

A. 12

B. 25

C. 33

D. 28

Answer: A



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75. If $6\#30 = 5$, $8\#24 = 3$, $7\#28 = 4$, then what is the value of $8\#40 = ?$

A. 47

B. 4

C. 5

D. 24

Answer: C



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76. If $3 \% 2 = 50$, $2 \% 4 = 60$, then what is the value of $5 \% 4 = ?$

A. 16

B. 9

C. 90

D. 20

Answer: C



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77. If $23\$35 = 13$, $3\$5 = 8$ then what is the value of $4\$13 = ?$

A. 8

B. 14

C. 6

D. 49

Answer: A



Watch Video Solution

78. If $19 + 4\#5 = 39$ and $21\#5 + 6 = 111$, then $11 + 15\#5 = ?$

A. 76

B. 70

C. 62

D. 86

Answer: D



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79. If $14\#3 @ 4 = 46$ and $19\#4 @ 3 = 79$ then $21\#4 @ 1 = ?$

A. 25

B. 92

C. 85

D. 97

Answer: C



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80. If $8 \times 16 \times 9 = 8169$ and $9 \times 23 \times 4 = 9234$, then $4 \times 10 \times 11 = ?$

A. 11014

B. 41011

C. 14610

D. 10114

Answer: B



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81. If $4 @ 9 \# 3 = -2$ and $11 \# 2 @ 6 = 7$, then $14 @ 3 \# 7 = ?$

A. 16

B. 18

C. 4

D. 10

Answer: B



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82. If $66 @ 17 @ 53 = 641551$ and $17 @ 9 @ 99 = 15797$ then
 $41 @ 11 @ 81 = ?$

A. 79993

B. 37999

C. 39979

D. 39997

Answer: C



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83. If $1 \$ 9 \& 5 = 14$ and $2 \& 4 \$ 3 = 14$, then $7 \$ 9 \& 9 = ?$

A. 72

B. 70

C. 68

D. 64

Answer: B



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84. If $8 * 9 \# 3 = 51$ and $12 * 6 \# 4 = 72$, then $13 * 11 \# 6 = ?$

A. 156

B. 128

C. 136

D. 144

Answer: D



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85. If $14\#13 = 9$ and $27\#36 = 18$, then $46\#31 = ?$

A. 11

B. 14

C. 17

D. 18

Answer: B



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86. If $-4\$1 = 4$, $7\$-7 = 49$ and $3\$1 = -3$, then find the value of $-8\$-5 = ?$

A. -1

B. 92

C. -40

D. -69

Answer: C



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87. If $40@8 = -5$, $30@3 = -10$ and $20@5 = -4$, then find the value of $60@3 = ?$

A. 45

B. -20

C. -5

D. -36

Answer: B



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TYPE-II

1. Which one of the following is correct?

$$6 * 3 * 4 * 45$$

A. $\div$, $+$, $>$

B. $\div$, $>$, $+$

C. $>$, $\div$, $+$

D. $+$, $>$, $\div$

Answer: A



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2. In the following question, Δ stands for any of the mathematical signs at different places, which are given as choices under each question. Select the choice with the correct sequence of signs which when substituted makes the question as a correct equation. $24\Delta 4\Delta 5\Delta 4$

A. $\times + =$

B. $= \times +$

C. $+ \times =$

D. $= + \times$



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3. $25 * 2 * 6 = 4 * 11 * 0$ Which set of symbols can replace $*$?

A. $\times, -, \times, +$

B. $+, -, \times, +$

C. $\times, +, \times, -$

D. $\times, +, +, \times$

Answer: A



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4. Which one of the following responses is correct ?

$$8 * 5 * 27 * 3 * 16$$

A. $\times, =, -, +$

B. $-, =, \times, +$

C. $\times, =, +, -$

D. $+, -, =, \times$

Answer: A



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5. Which one of the following is correct?

$$96 * 6 * 8 * 2$$

A. $\div$, $=$, $\times$

B. $\times$, $=$, $\div$

C. $=$, $\div$, $\times$

D. $=$, $\times$, $\div$

Answer: A



Watch Video Solution

6. What should be the correct signs of the equation to arrive at the given answer ?

$$17 * 3 * 6 * 45$$

A. $\times$, $=$, $-$

B. $-$, $\times$, $=$

C. $=, \times, -$

D. $\times, -, =$

Answer: D



Watch Video Solution

7. What should be the correct signs of the equation to arrive at the given answer ?

$$3 * 2 * 1 * 7$$

A. $\times, +, =$

B. $+, \times, =$

C. $=, \times, +$

D. $\times, =, +$

Answer: A



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8. In the following question you have to identify the correct response from the given premises stated according to following symbols.

$$12 * 3 \div 4 * 8 = 0$$

A. $- + +$

B. $\div + \div$

C. $- - -$

D. $\div + -$

Answer: D



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9. Which alternative clearly indicates the rule followed in the following set of numbers?

$$7 * 4 * 8 * 2 = 24$$

A. $-, \times, \times$

B. $-$, $\times$, $+$

C. $\times$, $-$, $\div$

D. $\times$, $+$, $-$

Answer: C



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10. Select the correct set of symbols which will fit in the given equation

$$5 \bigcirc 3 \bigcirc 5 = 20.$$

A. $+$ $-$ $\times$

B. $\times$ $+$ $\times$

C. $-$ $+$ $\times$

D. $\times$ $\times$ $\times$

Answer: C



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11. Select the correct set of symbols which will fit in the given equation.

$$23 * 26 * 27$$

A. $+ 3 =$, $\times 1 =$

B. $\times 3 =$, $\times 1 =$

C. $+ 3 =$, $+ 1 =$

D. $\times 3 =$, $+ 1 =$

Answer: C



Watch Video Solution

12. Select the correct set of symbols which will fit in the given equation.

$$65 * 40 * 11 = 36$$

A. $-$ and $+$

B. $\times$ and $\div$

C. $\div$ and $+$

D. $+$ and $\times$

Answer: A



Watch Video Solution

13. Choose proper signs for sequential operations to produce the resultant figure:

$$31 * 1 * 2 * 1 * 16$$

A. $\times \div \times =$

B. $- + \div =$

C. $+ - \times =$

D. $- \div + =$

Answer: D



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14. The symbols for addition (+), subtraction (-), multiplication ($\times$) and division ($\div$) will have to be inserted in the blank * in order to get answer 3 as shown in the equation:

$$20 \boxed{*} 5 \boxed{*} 8 \boxed{*} 2 \boxed{*} 17 = 3$$

Find out which set below is correct.

A. $- + \div \times$

B. $+ - \times \div$

C. $\times - \div +$

D. $\div + \times -$

Answer: D



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15. In the following equation, select correct combination of mathematical signs to replace $*$ signs and to balance the equation

$$16 * 4 * 5 * 9 * 1$$

A. $+ \div = \times$

B. $\div + = \times$

C. $\times = + -$

D. $+ \times = \div$

Answer: B



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16. Select the correct combination of mathematical signs to replace signs and to balance the following equation.

$$7 * 5 * 5 * 4 * 10$$

A. $+ \div - =$

B. $\times - = \times$

C. $\times + = \times$

D. $+ \times \div =$

Answer: C



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17. If $34 * 12 = 23$, $28 * 76 = 52$, $97 * 39 = 68$ then what should $37 * 73$ be?

A. 32

B. 25

C. 86

D. 55

Answer: D



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18. Select the correct combination of mathematical signs to replace signs so as to balance the equation.

$$8 * 8 * 1 * 11 * 11$$

A. $+$ $=$ $\div$ $-$

B. $\times$ $+$ $=$ $\div$

C. $\div$ $\times$ $+$ $=$

D. $-$ $+$ $=$ $\div$

Answer: D



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19. Substitute the correct mathematical symbols in place of in the following equation:

$$16 * 4 * 5 * 14 * 6$$

A. $\div - = \times$

B. $- \times + =$

C. $\div \times = +$

D. $\div + = -$

Answer: C



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20. Substitute the arithmetical signs in the place of in the following equation :

$$7 * 7 * 2 * 1 = 12$$

A. $\times - \div$

B. $+ - \times$

C. $\times - +$

D. $+ \times -$

Answer: B



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21. Some equations have been solved on the basis of a certain system.

Find the correct answer for the unsolved equation on that basis. If $9 * 7 =$

32 , $13 * 7 = 120$, $17 * 9 = 208$, then $19 * 11 = ?$

A. 150

B. 180

C. 210

D. 240

Answer: D



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22. Which sequence of mathematical symbols can replace * in the given equation: $8*5*9*31$.

दिए गए समीकरण को संतुष्ट करने के लिए * के स्थान पर किस समूह के चिन्ह आएं ? $8*5*9*$
31

A. $- \times =$

B. $- = \times$

C. $= \times -$

D. $\times - =$

Answer: D



Watch Video Solution

23. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$4 * 6 * 6 * 2 * 20$$

A. $+ \div = \div$

B. $\times - + =$

C. $+ - = \div$

D. $- + = \div$

Answer: C



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24. Select the correct combination of mathematical signs to replace $\star$ signs and to balance the given equation.

$$8 \star 5 \star 2 \star 72 \star 4$$

A. $= \times + \div$

B. $\times = + \div$

C. $\times + = \div$

D. $+ \times = \div$

Answer: D



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25. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$15 * 3 * 5 * 20 * 2$$

A. $+$ $-$ $=$ $\div$

B. $\times$ $-$ $=$ $\times$

C. $+$ $=$ $+$ $\times$

D. $\times$ $-$ $=$ $\div$

Answer: B



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26. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$2 * 3 * 2 * 4 * 8$$

A. $+ - + =$

B. $\times - + =$

C. $- + \times =$

D. $\times + - =$

Answer: B



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27. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$16 * 2 * 24 * 3 * 6$$

A. $+ = - \div$

B. $\times - + =$

C. $+ \div = \div$

D. $- - \div =$

Answer: D



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28. Select the correct combination of mathematical signs to replace signs and to balance the given equation.

$$16 * 4 * 3 * 4 * 13$$

A. $\div \times - =$

B. $\times - + =$

C. $+ = \div \times$

D. $- \times \div =$

Answer: D

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29. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$6 * 15 * 10 * 3 * 12$$

A. $\div + = \times$

B. $+ \div \times =$

C. $\times \div + =$

D. $+ - = \div$

Answer: C

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30. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$18 * 6 * 3 * 12 * 24$$

A. $+$ $-$ $=$ $\times$

B. $\times$ $\div$ $-$ $=$

C. $+$ $\div$ $\times$ $=$

D. $\times$ $=$ $\div$ $+$

Answer: B



Watch Video Solution

31. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$16 * 4 * 64 * 4$$

A. $\times$, $<$, $\div$

B. $\times$, $>$, $\div$

C. $\div$, $>$, $\times$

D. $\times$, $>$, $+$

Answer: B



Watch Video Solution

32. Select the correct combination of mathematical signs to replace * signs and to balance the given equation:

$$28 * 4 * 9 * 16$$

A. $\div + =$

B. $+ \div =$

C. $- \times +$

D. $- = \times$

Answer: A



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33. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$16 * 6 * 4 * 24$$

A. $\div = \times$

B. $\times = \times :$

C. $= + \div$

D. $\times \div =$

Answer: D



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34. Choose the appropriate combination of signs to solve.

$$16 * 8 * 1 * 8$$

A. $= - \div$

B. $- \div =$

C. $\div - =$

D. $\div = -$

Answer: B



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35. Select the correct combination of mathematical signs to replace * signs and to balance the following equation

$$9 * 3 * 3 * 3 * 6$$

A. $\div \times - =$

B. $+ - \times =$

C. $- + + =$

D. $\times + - =$

Answer: A



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36. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$8 * 6 * 96 * 2 = 0$$

A. $\times \div -$

B. $\times - \div$

C. $- \times \div$

D. $\div - \times$

Answer: B



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37. If $264 * 2 = 6$, $870 * 3 = 11$, then what should $735 * 5$ be?

A. 05

B. 12

C. 16

D. 03

Answer: B



Watch Video Solution

38. Find the correct group of signs to solve the equation.

$$24 * 16 * 8 * 32$$

A. $+ - =$

B. $\div - =$

C. $- + =$

D. $\times \div =$

Answer: A



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39. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$15 * 24 * 3 * 6 * 17$$

A. $- \div + =$

B. $+ \div - =$

C. $+ \times = \div$

D. $- \times = +$

Answer: B



Watch Video Solution

40. Select the correct combination of mathematical signs to replace signs and to balance the given equation. $5 * 5 * 5 * 3 * 10$

A. $\times + = \times$

B. $+ - \times =$

C. $+ \div = \times$

D. $+ \div \times =$

Answer: A



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41. Select the correct combination of mathematical signs to replace signs and to balance the following equation:

$$21 * 7 * 6 * 9$$

A. $+ \div =$

B. $\div + =$

C. $= + \div$

D. $\div = +$

Answer: B



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42. Select the correct combination of mathematical signs to replace $\cdot$ signs and to balance the following equation.

$$6 \cdot 4 \cdot 12 \cdot 12$$

A. $\div - =$

B. $+ - \div$

C. $= - \div$

D. $\times - =$

Answer: D



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43. Select the correct combination of mathematical signs to replace $*$ signs and to balance the following equation

$$8 * 8 * 1 * 7 = 8$$

A. $\times \div +$

B. $+$ $\div$ $\times$

C. $\div$ $\times$ $+$

D. $+$ $\times$ $\div$

Answer: C



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44. Insert the arithmetic operations in the following numerical figures :

$$13 * 3 * 4 * 3 = 4$$

A. $\div$ $\times$ $+$

B. $-$ $\times$ $+$

C. $+$ $\times$ $\div$

D. $+$ $\div$ $\times$

Answer: B



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45. Select the correct combination of mathematical signs to replace signs and to balance the given equation.

$$2 * 4 * 3 * 4 * 9$$

A. $+ \times = -$

B. $\times \div - =$

C. $\times - + =$

D. $+ - = \div$

Answer: C



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46. Some equations are solved on the basis of a certain system. Find the correct answer for the unsolved equation on that basis.

$$5 * 6 = 35, 8 * 4 = 28, 6 * 8 = ?$$

A. 46

B. 34

C. 23

D. 38

Answer: A



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47. Select the correct combination of mathematical signs to replace * signs and to balance the following equation.

$$12 * 3 * 4 = 8 * 8 * 6$$

A. +, ×, −, ×

B. ×, +, −, ×

C. ×, +, ×, −

D. ×, −, ×, +

Answer: C



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48. Select the correct combination of mathematical signs to replace * signs and to balance the following equation:

$$5 * 9 * 3 * 6 * 8$$

A. $\times + = \times$

B. $\times - = \times$

C. $+ \div - =$

D. $+ \times \div =$

Answer: A



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49. Select the correct combination of mathematical signs to replace * signs and to balance the given equation

$$33 * 11 * 3 * 6 = 115$$

A. $+$ $-$ $\times$

B. $\times$ $\div$ $-$

C. $\div$ $\times$ $-$

D. $-$ $\times$ $\div$

Answer: B



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50. Select the correct combination of mathematical signs to replace * signs and to balance the given equation:

$$13 * 12 * 5 * 4$$

A. $=$ $-$ $+$

B. $= + -$

C. $+ - =$

D. $- = +$

Answer: B



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51. Some equations have been solved on the basis of a certain operation.

Find the correct answer for the unsolved equation on that basis.

If $73 * 17 = 45$ and $68 * 40 = 54$, then $83 * 15 = ?$

A. 49

B. 64

C. 69

D. 79

Answer: A

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52. Select the correct combination of mathematical signs to replace * signs and to balance the following equation:

$$(\sqrt{121} * 9) * 5 * 4 * 1$$

A. $- + \times =$

B. $+ \div \times =$

C. $= + \times \div$

D. none of these

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53. Select the correct combination of mathematical signs to replace the * signs and to balance the following equation:

$$45 * 3 * 6 * 2 * 54$$

A. $+ \times \div =$

B. $+ \div \times =$

C. $+ \times - =$

D. $+ \div - =$

Answer: B



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54. Select the correct combination of mathematical signs to replace * signs and to balance the following equation :

$$8 * 5 * 10 * 2 * 25$$

A. $+ \times \div =$

B. $+ \div - =$

C. $\times + = \times$

D. $\times - = \times$

Answer: C



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55. Select the correct combination of mathematical signs to replace * signs and to balance the given equation.

$$5 * 3 * 3 * 5 * 0$$

A. $\times \div - =$

B. $+ - \div =$

C. $- - + =$

D. $- \times \div =$

Answer: A



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56. If '+' means '-', '-' means $\times$, $\times$ means $\div$ and $\div$ means '+', which combination will give you the value of '0' in $42 * 4 * 12 * 20 * 9$?

A. $- \div \times +$

B. $\div + - \times$

C. $+ - \div \times$

D. none of these



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57. Choose the appropriate combination of signs to solve the equation.

$$(16 + 18) * (21 - 11) * 32 * 8$$

A. $- \times =$

B. $- = -$

C. $+ = -$

D. $\div$ — =

Answer: B



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58. $A * B$ means multiply A by B, $A @ B$ means divide A by B, $A \# B$ means add B to A and $A = B$ means subtract B from A. Then find the value of

$$10 * 10 = 5 * 10 \# 50 @ 10$$

A. 100

B. 45

C. 1000

D. 55

Answer: D



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59. If $37 * 14 = 17$,

$69 * 33 = 34$,

$91 * 125 = 72$

then what should be $28 * 56 = ?$

A. 26

B. 42

C. 34

D. 28

Answer: D



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60. If $5 \times 3 = 19$ and $8 \times 5 = 49$, then what should 6×4 be?

यदि $5 \times 3 = 19$ $8 \times 5 = 49$, 6×4 क्या होना चाहिए?

A. 24

B. 28

C. 18

D. 16

Answer: B



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61. Complete the third equation on the basis of a certain system followed in the first two equations.

प्रथम दो समीकरणों के आधार पर तीसरे समीकरण को पूर्ण कीजिये।

1. $5 \times 4 \times 2 \times 1 = 1425$ (2) $7 \times 8 \times 1 \times 6 = 6817$

3. $9 \times 3 \times 7 \times 5 = ?$

A. 3795

B. 5397

C. 5973

D. 5379

Answer: D



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62. If $4 * 2 = 3$ and $8 * 4 = 3$, then $21 * 7 = ?$

A. 4

B. 3

C. 8

D. 16

Answer: A



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63. If $3 * 4 = 10$, $5 * 8 = 18$, $7 * 7 = ?$

A. 36

B. 21

C. 28

D. 49

Answer: B



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64. Select the correct combination of mathematical signs to replace * signs and to balance the equation.

$$48 * 4 * 6 * 3 * 30$$

समीकरण को संतुलित करने के लिए * को किस गणितीय चिह्नों के संयोजन से परिवर्तित किया जाएगा।

$$48 * 4 * 6 * 3 * 30$$

A. $-$, $+$, $=$, $\times$

B. $\div$, $=$, $\times$, $+$

C. $\div$, $+$, $\times$, $=$

D. $-$, $=$, $\times$, $+$

Answer: C



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65. If $1 * 2 = 1$, $2 * 3 = -1$ and $3 * 4 = -5$, then find the value of $7 * 9 = ?$

A. -47

B. -29

C. -2

D. -9

Answer: A



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66. Some equations are solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis.

$$\text{If } 3 * 2 * 8 * 4 = 632,$$

$$2 * 4 * 4 * 4 = 816$$

$$\text{then } 3 * 3 * 5 * 1 = ?$$

A. 95

B. 45

C. 315

D. 184

Answer: A



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67. Some equations have been solved on the basis of a certain pattern.

Find the correct answer for the unsolved equation on that basis:

$$7 * 4 * 3 = 437$$

$$8 * 6 * 4 = 648$$

$$4 * 3 * 6 = ?$$

A. 346

B. 364

C. 643

D. 463

Answer: B



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68. If $13 * 45 = 29$, $24 * 58 = 41$, $74 * 32 = 53$, what should $97 * 47$ be?

A. 73

B. 72

C. 63

D. 64

Answer: B



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69. Some equations have been solved on the basis of a certain pattern.

Find the correct answer for the unsolved equation on that basis:

$$2 * 3 * 5 = 523$$

$$6 * 4 * 1 = 164$$

$$8 * 2 * 4 = 482, \text{ then } 6 * 8 * 2 = ?$$

A. 826

B. 268

C. 286

D. 628

Answer: B



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70. Some equations are solved on the basis of a certain system. Find out the correct answer for the unsolved equation on that basis.

$$9 * 8 = 63, 7 * 8 = 49,$$

$$5 * 6 = 25, 11 * 7 = ?$$

A. 77

B. 70

C. 66

D. 121

Answer: C



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71. If $38 \# 49 = 24$ and $96 \# 51 = 21$, then $87 \# 78 = ?$

A. 26

B. 21

C. 28

D. 30

Answer: D



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72. If $27 * 4 = 77$ and $31 * 9 = 239$, then $21 * 6 = ?$

A. 94

B. 107

C. 99

D. 106

Answer: C



Watch Video Solution

73. If $17 * 36 = 17$ and $41 * 56 = 16$ then $41 * 32 = ?$

- A. 6
- B. 12
- C. 10
- D. 8

Answer: C



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74. If $(2) * 4 = 2$ and $(4) * 4 = 16$, then what is the value of A in $(6) * A = 18$?

- A. 12
- B. 14
- C. 16
- D. 20

Answer: A



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75. If $6 * 9 - 4 = 58$ and $3 * 9 - 7 = 34$, then in expression $A * 4 - 9 = 91$, what is the value of 'A'?

A. 6.5

B. 17.5

C. 20.5

D. 30.5

Answer: C



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76. If $4 * 7 * 2 = 361$ and $5 * 9 * 1 = 480$, then $2 * 1 * 3 = ?$

A. 312

B. 324

C. 210

D. 102

Answer: D



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TYPE-III

1. After interchanging $\div$ and $+$, 12 and 18, which one of the following equations becomes correct?

A. $(90 \times 18) + 18 = 60$

B. $(18 + 6) \div 12 = 2$

C. $(72 \div 18) \times 18 = 72$

D. $(12 + 6) \times 18 = 36$

Answer: D



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2. After interchanging $\div$ and $=$, 2 and 3 which one of the following statements becomes correct?

A. $15 = 2 \div 3$

B. $5 \div 15 = 3$

C. $2 = 15 \div 3$

D. $3 = 2 \div 15$

Answer: B



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3. Which of the following interchange of signs would make the given equation correct?

$$(12 \div 6) + 3 \times 7 = 42$$

A. + and $\times$

B. 6 and 7

C. $\div$ and +

D. 12 and 3

Answer: C



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4. Which interchange of signs will make the following equation correct ?

$$35 + 7 \times 5 \div 5 - 6 = 24$$

A. + and -

B. + and $\times$

C. $\div$ and +

D. - and $\div$

Answer: C



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5. Which of the following interchanges of signs would make the given equation correct?

$$24 + 6 \times 3 \div 3 - 1 = 14$$

A. + and $\times$

B. $\times$ and -

C. $\div$ and +

D. - and $\div$

Answer: C



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6. Which of the following interchange of signs or figures would make the given equation correct?

$$(5 + 2) \times 2 - 10 = 16$$

A. + and $\times$

B. 5 and 10

C. + and -

D. 5 and 2

Answer: C



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7. Which interchange of signs will make the following equation correct?

$$30 - 6 \div 4 + 2 \times 3 = 7$$

A. + and $\times$

B. - and +

C. $-$ and $\div$

D. $+$ and $-$

Answer: C



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8. Which of the following interchanges of signs would make the given equation correct?

$$5 + 6 \div 3 - 12 \times 2 = 17$$

A. $\div$ and $\times$

B. $+$ and $\times$

C. $+$ and $\div$

D. $+$ and $-$

Answer: A



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9. Which interchange of signs or numbers will make the following equation correct?

$$(7 + 2) \times 3 \times 4 - 1 = 20$$

A. 2 and 3

B. $\times$ and $-$

C. 7 and 3

D. $+$ and $\times$

Answer: D



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10. Which interchange of signs will make the following equation correct?

$$(16 - 4) \times 6 \div 2 + 8 = 30$$

A. $\div$ and $-$

B. 4 and 2

C. $-$ and $+$

D. 16 and 6

Answer: A



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11. Which one of the four interchanges in signs and numbers would make the given equation correct?

$$6 \times 4 + 2 = 16$$

A. $+$ and $\times$, and 4

B. $+$ and $\times$, 2 and 4

C. $+$ and $\times$, 4 and 6

D. None of these

Answer: C

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12. Which of the following interchange of sign would make the given equation correct?

$$(20 - 4) \times 4 + 16 = 36$$

A. + and -

B. 5 and 5

C. $\div$ and -

D. 16 and 6

Answer: C

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13. Which of the following inter change of signs would make the given equation correct?

$$2 \times 3 + 6 - 12 \div 4 = 17$$

A. $\times$ and $+$

B. $+$ and $-$

C. $+$ and $\div$

D. $-$ and $\div$

Answer: A



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14. In each of the following questions, which of the following interchange of signs would make the given equation correct?

$$10 + 10 \div 10 - 10 \times 10 = 10$$

A. $+$ and $-$

B. $+$ and $\div$

C. $+$ and $\times$

D. $\div$ and $+$

Answer: C



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15. In each of the following questions, which of the following interchange of signs would make the given equation correct?

$$(8 - 8) + 8 \times 32 = 64$$

A. $\times$, $+$, $-$

B. $-$, $\div$, $+$

C. $+$, $\div$, $+$

D. $+$, $\div$, $\times$

Answer: D



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16. Which of the following interchanges of number would make the following equation correct?

$$8 \times \frac{20}{3} + 9 - 5 = 38$$

A. 3,9

B. 3,8

C. 8,9

D. 3,5

Answer: D



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17. Which of the following interchange of signs or numbers would make the given equation correct?

$$(18 \div 9) + 3 \times 5 = 45$$

A. $\times$ and $\div$

B. + and $\div$

C. 18 and 5

D. 3 and 9

Answer: B



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18. Which of the following interchange of signs would make the equation correct ?

$$8 \times 6 + 2 = 22$$

A. +, $\times$, 2 and 6

B. +, $\times$, 2 and 8

C. +, $\times$, 6 and 8

D. +, $\times$, 2 and 22

Answer: C

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19. Which of the following interchange of signs would make the given equation correct (only first symbol changed) ?

$$64 \times 8 - 9 \div 8 = 64$$

- A. + and -
- B. $\div$ and $\times$
- C. - and $\div$:
- D. - and $\times$

Answer: C

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20. After interchanging $\div$ and $\times$, 10 and 5 which one of the following becomes a correct equation ?

A. $(30 \div 5) \times 10 = 24$

B. $(30 \times 10) \div 5 = 60$

C. $(3 \div 10) \times 5 = 18$

D. $(10 \div 30) \times 5 = 70$

Answer: B



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21. Which of the following interchange of signs would make the given equation correct?

$$(6 + 3) + (4 \times 7) = 25$$

A. $+$ and $-$

B. $\div$ and $+$

C. $\times$ and $+$

D. $\div$ and $\times$

Answer: C



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22. Change the sign to find the equation $28 - 7 + 2 \times 2 = 0$

- A. Change + into $\times$
- B. Change $\times$ into +
- C. Change - into +
- D. Change + into -

Answer: A



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23. What sign should be changed to make the equation $5 + 6 \div 3 - 12 \times 2 = 17$ correct?

A. $\div \times$

B. $+$ $\times$

C. $-$ $+$

D. None of these



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24. Which of the following interchange of signs would make the equation correct?

$$6 \times 4 + 2 = 16$$

A. $+$ and $\times$, 2 & 4

B. $+$ and $\times$, 4 & 6

C. $+$ and $\times$, 2 & 6

D. $+$ and $\times$, 3 & 4

Answer: B

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25. Interchange of signs and numbers would make the given equation correct.

$$6 + 2 - 3 = 16$$

A. + and - ,2 and 3

B. + to x,3 and 2

C. - to ÷ ,3 and 2

D. + to ÷ ,3 and 2

Answer: D

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26. After interchange of + and 8 and 7, which one of the following becomes correct?

A. $8 - 7 + 3 \times 5 = 35$

B. $7 \times 8 + 6 - 9 = 25$

C. $6 + 8 \times 2 - 7 = 0$

D. $8 \times 2 + 7 - 6 = 9$

Answer: C



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27. Which of the following interchange of signs would make the equation correct?

$$5 + 3 \times 8 - 12 \div 4 = 13$$

निम्नलिखित में से किन चिह्नों को आपस में बदलने से समीकरण सही हो जाएगी?

$$5 + 3 \times 8 - 12 \div 4 = 3$$

A. $-$ and $\div$

B. $+$ and $\times$

C. $+$ and $\div$

D. + and -

Answer: A



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28. In the following question, correct the equation by interchanging two signs.

$$43 + 9 - 6 \div 3 \times 8 = 50$$

A. $\div$ and $\times$

B. + and $\div$

C. - and +

D. - and $\times$

Answer: C



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29. In the following question, correct the equation by interchanging any two numbers.

$$5 + 3 \div 6 \times 9 - 2 = 21$$

A. 5 and 9

B. 3 and 6

C. 6 and 9

D. 5 and 3

Answer: B



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30. In the following question, correct the equation by interchanging two signs.

$$7 \times 6 + 5 - 12 \div 3 = 41$$

A. + and $\div$

B. $\times$ and $\div$

C. + and -

D. $\times$ and -

Answer: C



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31. In the following question, correct the equation by inter changing two signs:

$$6 + 8 \div 4 - 4 = 8$$

A. $\div$ and =

B. $\div$ and +

C. $\div$ and -

D. + and -

Answer: D



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32. In the following question, correct the given equation by interchanging two numbers.

$$8 \times 3 \div 4 + 9 - 5 = 16$$

A. 3 and 4

B. 4 and 8

C. 5 and 3

D. 5 and 9

Answer: C



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33. In the following question, correct the equation by interchanging the two signs.

$$6 \div 17 \times 17 + 6 - 12 = 0$$

A. $\times$ and $\div$

B. + and $\div$

C. + and -

D. - and $\div$

Answer: A



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34. By interchanging which two signs the equation will be correct?

$$16 + 31 - 3 \times 93 \div 11 = 966$$

A. + and -

B. - and $\div$

C. $\div$ and $\times$

D. $\times$ and +

Answer: B



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35. By interchanging which two digits the equation will be correct?

$$43 \div 2 \times 26 - 2 = 527$$

A. 6 and 2

B. 2 and 3

C. 3 and 6

D. 2 and 4

Answer: C



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36. By interchanging which two signs the equation will be correct?

$$19 + 36 \times 12 \div 4 - 26 = 5$$

A. + and -

B. $\div$ and -

C. $\times$ and $\div$

D. $+$ and $\times$

Answer: C



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37. The following equation is incorrect. Which two signs should be interchanged to correct the equation?

$$12 + 10 - 28 \div 7 \times 4 = 48$$

A. $\div$ and $-$

B. $+$ and $\div$

C. $-$ and $+$

D. $\times$ and $-$

Answer: C



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38. The following equation is incorrect. Which two signs should be interchanged to correct the equation?

$$15 \times 18 - 6 \div 20 + 4 = 29$$

A. + and $\times$

B. $\div$ and -

C. + and $\div$

D. - and +

Answer: B



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