



MATHS

BOOKS - MCGROW HILL EDUCATION

MATHS (HINGLISH)

ARITHMETICAL REASONING TEST

Example

1. A householder employed a servant on the condition that food and lodging will be free

and after the service of one year he will get Rs. 900 and a uniform as bonus. The servant left the job after serving for 9 months and accordingly the householder gave him Rs. 650 and a uniform. Find the price of the uniform.

A. Rs. 250

B. Rs. 200

C. Rs. 175

D. Rs. 100

Answer: D



2. On the eve of Diwali festival, a group of 12 friends greeted every other friend by sending greeting cards. Find the number of cards purchased by the group.

A. 156

B. 144

C. 132

D. 72

Answer: C



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3. There are some benches in a class room. If 4 students sit on each bench, then 3 benches are left unoccupied. However, if 3 students sit on each bench, 3 students are left standing. How many students are there in the class?

A. 36

B. 48

C. 52

D. 56

Answer: B



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4. First bunch of bananas has $\frac{1}{4}$ again as many bananas as a second bunch. If the second bunch has 3 bananas less than the first bunch, then the number of bananas in the first bunch is:

A. 9

B. 10

C. 12

D. 15

Answer: D



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5. In the process of numbering the pages of a book the printer uses 3189 digits, the number of pages in the book is?

A. 1000

B. 1074

C. 1075

D. 1080

Answer: B



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6. A man has Rs. 4800 in the denomination of ten-rupee notes, fifty-rupee notes and hundred-rupee notes. The number of notes of

each denomination is equal. What is the total number of notes that he has?

A. 45

B. 60

C. 75

D. 90

Answer: D



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7. Reena is twice as old as Suneeta. Three years ago, she was three times as old as Suneeta.

The present age of Reena is:

A. 6

B. 7

C. 8

D. 12

Answer: D



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8. The age of father is twice that of the elder son. After ten years, the age of father will be three times that of the younger son. If the difference of ages of the two sons is 15 years, the age of the father is?

A. 50

B. 55

C. 60

D. 70

Answer: A



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9. A car driver knows four different routes from Delhi to Amritsar. From Amritsar to Pathankot, he knows three different routes and from Pathankot to Jammu he knows two different routes. How many routes does he know from Delhi to Jammu?

A. 4

B. 8

C. 12

D. 24

Answer: D



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10. Five bells begin to toll together and toll respectively at intervals of 6, 5, 7, 10 and 12 seconds. How many times will they toll together in one hour excluding the one at the start?

A. 7

B. 8

C. 9

D. 10

Answer: B



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Exercise

1. In a chess tournament each of six players will play every other player exactly once. How

many matches will be played during the tournament?



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2. 15 friends meet at a marriage reception of their common friend. Every one of 15 friends shook hands with each other only once. Find the number of handshakes.

A. 400

B. 380

C. 210

D. 105

Answer: D



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3. A shepherd had 17 sheep. All but nine died.

How many was he left with?

A. 0

B. 8

C. 9

D. 17

Answer: C



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4. What is the smallest number of ducks that could swim in this formation? "Two ducks in front of a duck, two ducks behind a duck and a duck between two ducks".

A. 9

B. 7

C. 5

D. 3

Answer: D



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5. At the end of a business conference, ten people present all shake hands with each

other once. How many handshakes will there be altogether?

A. 20

B. 45

C. 55

D. 90

Answer: B



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6. The number of girls in a class is one third of the number of boys. Which one of the following numbers cannot represent the total number of children in the class?

A. 48

B. 44

C. 42

D. 40

Answer: C



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7. A group of 1200 persons consisting of captains and soldiers is travelling in a train. For every 15 soldiers there is one captain. The number of captains in the group is:

A. 85

B. 80

C. 75

D. 70

Answer: C



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8. A bird shooter was asked how many birds he had in the bag. He replied that there were all sparrows but six, all pigeons but six, and all ducks but six. How many birds had he in all?

- A. 9
- B. 18
- C. 27

D. 36

Answer: A



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9. A student got twice as many sums wrong as he got right. If he attempted 48 sums in all, how many did he solve correctly?

A. 12

B. 16

C. 24

D. 18

Answer: B



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10. Aruna cut a cake into two halves and cut one half into smaller pieces of equal size. Each of the small pieces is twenty grams in weight. If she has seven pieces of the cake in all with her, how heavy was the original cake?

A. 120 grams

B. 140 grams

C. 240 grams

D. 280 grams

Answer: C



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11. A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five

women enter. Now, number of men and women is equal. How many passengers entered the bus in the beginning?

A. 15

B. 30

C. 36

D. 45

Answer: D



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12. In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. If he attempts all 75 questions and secures 125 marks, the number of questions he attempted correctly, is

A. 35

B. 40

C. 42

D. 46

Answer: B



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13. A certain number of horses and an equal number of men are going somewhere. Half of the owners are on their horses back while the remaining ones are walking along leading their horses. If the number of legs walking on the ground is 70, then how many horses are there? (a) 10 (b) 12 (c) 14 (d) 16

A. 10

B. 12

C. 14

D. 16

Answer: C



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14. Between two ends of a bookshelf in your study are displayed five of your favourite puzzle books. If you decide to arrange these

five books in every possible combination and move just one book every minute, how long would it take you to do so?

A. One hour

B. Two hours

C. Three hours

D. Four hours

Answer: B



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15. A number of friends decided to go on a picnic and planned to spend Rs.960 on food. Four of them, however, did not turn up. As a consequence, the remaining ones had to contribute Rs.40 each extra. The number of those who attended the picnic was:

- A. 8
- B. 12
- C. 16
- D. 24

Answer: A



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16. A father tells his son, "I was of your present age when you were born." If the father is now 36 years of age, how old was the boy 5 years ago?

A. 13

B. 15

C. 17

D. 20

Answer: A



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17. A father is, at present, three times as old as his son. Five years back, he was four times as old as his son. Find the age of his son.

A. 12 years

B. 15 years

C. 18 years

D. 20 years

Answer: B



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18. In a farm, some keepers have 30 cows, 50 hens and 23 goats. If total no of legs be 224 more than the number of heads in the farm. Find the number of keepers

A. 5

B. 8

C. 10

D. 15

Answer: D



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19. A is three times as old as B. C was twice as old as A four years before. In four years' times

A will be 31. What are the present ages of B and C?

A. 9,46

B. 9,50

C. 10,46

D. 10,50

Answer: B



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20. A woman says, "If you reverse my own age, the figures represent my husband's age. He is, of course, senior to me and the difference between our ages is one-eleventh of their sum.

The age of the woman is:

A. 23 years

B. 34 years

C. 45 years

D. 56 years

Answer: C



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21. Varun was born two years after his father's marriage. His mother is five years younger than his father but 20 years older than Varun who is 10 years old. At what age did the father get married?

A. 23 years

B. 25 years

C. 33 years

D. 34 years

Answer: A



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22. A is 3 years younger than C but one year older than D. D is one year older than B but 4 years younger than C. C is 15 years old. What is the age of B?

A. 10

B. 11

C. 12

D. 13

Answer: A



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23. In a group of goats and hens, the number of legs are 10 more than twice the number of heads. The number of goats is:

A. 5

B. 7

C. 10

D. 12

Answer: A



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24. The taxi charges in a city comprise of a fixed charge, together with the charge of the distance covered. For a journey of 16 km, the

charges paid are Rs 156 and for a journey of 24 km, the charges paid are Rs 204. What will a person have to pay for travelling a distance of 30 km? (a) Rs 236 (b) Rs 240 (c) Rs 248 (d) Rs 252

A. Rs. 236

B. Rs. 240

C. Rs. 248

D. Rs. 252

Answer: B



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25. In a city, 40% of the adults are illiterate while 85% of the children are literate. If the ratio of the adults to that of the children is 2:3, then what percent of the population is literate?



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