



# MATHS

**BOOKS - MCGROW HILL EDUCATION**

**MATHS (HINGLISH)**

**MOCK TEST - I**

**Mat**

1. Which of the alternatives will come next in the series.

JAZ, LEX, NIV, POT, ?

A. QUR

B. RUS

C. RUR

D. RSR

**Answer: C**



**View Text Solution**

2. Which of the alternatives will come next in the series.

ZUA, XOC, VE, TEG, ?

A. RAI

B. SAG

C. RAG

D. RAJ

**Answer: A**



**View Text Solution**

3. Which of the alternatives will come next in the series.

CZX, DYW, EXV, FWU, ?

A. GWT

B. GUT

C. GTV

D. GVT

**Answer: D**



**View Text Solution**

4. If the following alphabets are written in reverse order:

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Which will be the fourth letter to the left of the fifteenth letter from the right?

A. T

B. S

C. R

D. D

**Answer: B**



Watch Video Solution

5. If the following alphabets are written in reverse order:

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Which will be seventh letter to the right of the twelfth letter from the left?

A. G

B. F

C. H

D. S

**Answer: C**



**View Text Solution**

**6.** If the following alphabets are written in reverse order:

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Which letter of the following alphabet is eighth letter to the right of the letter which is twelfth from the left?

A. E

B. D

C. G

D. T

**Answer: C**



**Watch Video Solution**

7. Karan, Jayesh, Nitesh and Ashutosh are playing a game of cards. Nitesh is to the right of Jayesh who is to the right of Karan. Who is



to the right of Nitesh if Jayesh is to the left of Ashutosh?

A. Karan

B. Ashutosh

C. Jayesh

D. Nitesh

**Answer: B**



**Watch Video Solution**

8. If P is brother of Q, R is father of P, S is brother of T, T is daughter of Q, then uncle of S is

A. P

B. Q

C. R

D. S

**Answer: A**



[View Text Solution](#)

9. If X is brother of the son of Y's son, how is X related to Y?

A. Son

B. Brother

C. Cousin

D. Grandson

**Answer: D**



**View Text Solution**

10. If  $X + Y$  means, X is sister of Y

$X \cdot Y$  means, X is daughter of Y

$X - Y$  means Y is brother of X

Which of the following shows the relation that

Z is the maternal uncle of S?

A.  $S + T \times Z$

B.  $S - T \times Z$

C.  $S \cdot T - Z$

D.  $S \cdot T + Z$

**Answer: C**





**11.** In a certain code: (A) '134' means 'you are well' (B) '758' means 'they go home' (C ) '839' means 'we are home'

Which of the following represents 'they' in that code language?

A. 5

B. 7

C. 3

D. 8

**Answer: D**



**Watch Video Solution**

**12.** 134 means "you are well"

758 means "they go home"

839 means "we are home"

38 code stands for what?

A. you well

B. go home

C. we are

D. are home

**Answer: D**



**Watch Video Solution**

**13.** In a certain code "il be pee" means "rose are blue" "sik hee" means "red flowers" and "pee mit hee" means "flowers are vegetables".

How is 'red' written in that code?

A. hee

B. sik

C. be

D. can not be determined

**Answer: D**



**View Text Solution**

**14.** In a certain code "il be pee" means "rose are blue" "sik hee" means "red flowers" and "pee mit hee" means "flowers are vegetables".

How is 'rose' written in that code?



A. il

B. pee

C. be

D. can not be determined

**Answer: D**



**View Text Solution**

**15.** In a certain code language,

(i) 'il be pee' means 'rases are blue', (ii) 'sik hee' means 'red flowers', (iii) 'pee mit hee' means

'flowers are vegetables'

How is 'vegetables are red flowers' written in that code?

A. pee sik mit hee

B. sik pee hee be

C. il sik mit hee

D. can not be determined

**Answer: A**



**Watch Video Solution**

16. In a certain code language CARROM is coded as BZQQNL, then which word will be coded as HOUSE?

A. IPVTF

B. GNTRD

C. INVRF

D. GPTID

**Answer: B**



**Watch Video Solution**

17. In a certain code language NEOMAN is coded as OGRQFT, then which word will be coded as ZKCLUP?

A. YJBKTO

B. XIAJSN

C. YIZHPJ

D. YIAQKJ

**Answer: C**



[View Text Solution](#)

**18.** In a certain language ENTRY is coded as 12345 and STEADY is coded as 931785, then state the correct code for the given word in each questions.

NEATNESS

A. 25196577

B. 21732199

C. 21362199

D. 21823698

**Answer: B**



[View Text Solution](#)

**19.** In a certain language ENTRY is coded as 12345 and STEADY is coded as 931785, then state the correct code for the given word in each questions.

**ARREST**

A. 744589

B. 744193

C. 166479

D. 745194

**Answer: B**



**View Text Solution**

**20.** In a certain language ENTRY is coded as 12345 and STEADY is coded as 931785, then state the correct code for the given word in each questions.

TENANT

A. 956169

B. 196247

C. 352123

D. 312723

**Answer: D**



**Watch Video Solution**

**21.** Read the following information carefully and answer the questions that follow:

There are six cities, A, B, C, D, E & F

A is not a hill station



B & E are not historical places

D is not an industrial city

A & D are not historical cities

A & B are not alike.

Which two cities are industrial centres?

A. A and B

B. E and F

C. C and D

D. B and F

**Answer: B**



**22.** Read the following information carefully and answer the questions that follow:

There are six cities, A, B, C, D, E & F

A is not a hill station

B & E are not historical places

D is not an industrial city

A & D are not historical cities

A & B are not alike.

Which two cities are historical places?

A. A and C

B. B and F

C. C and F

D. D and E

**Answer: C**



**View Text Solution**

**23.** In each question below there are four groups. Each group consists of either one number and two letters or two numbers and one letter. Four of these five groups follow one

group which does not follow the same principle. Find correct answer.

A. C, 4, G

B. E, 7, 1

C. K, 13, O

D. M, 15, Q

**Answer: B**



**View Text Solution**

**24.** In each question below there are four groups. Each group consists of either one number and two letters or two numbers and one letter. Four of these five groups follow one group which does not follow the same principle. Find correct answer.

A. B, 5, H

B. E, 7, I

C. K, 14, Q

D. L, 16, R

**Answer: B**



**View Text Solution**

**25.** In the question below there are four groups. Each group consists of either one number and two letters or two numbers and one letter. Four of these five groups follow one group which does not follow the same principle. Find correct answer.

A. B, 7, L

B. D, 9, N

C. L, 9, F

D. G, 12, Q

**Answer: C**



**Watch Video Solution**

**26.** In each question below there are four groups. Each group consists of either one number and two letters or two numbers and one letter. Four of these five groups follow one

group which does not follow the same principle. Find correct answer.

A. S, G, 10

B. 10, M, 16

C. 12, O, 18

D. 14, Q, 20

**Answer: B**



**View Text Solution**



27. In the question below there are four groups. Each group consists of either one number and two letters or two numbers and one letter. Three of these four groups follow one group which does not follow the same principle. Find correct answer.

A. 1, E, 3

B. 3, J, 6

C. 6, Q, 10

D. 15, W, 21

**Answer: D**



**Watch Video Solution**

**28.** The following sets in each question contain 3 letters. Four of the five sets of letters follow the same order. Find the set in which letters do not follow that order.

A. A, C, E

B. F, H, J

C. K, M, O

D. P, R, T

**Answer: B**



**View Text Solution**

**29.** The following sets in each question contain 3 letters. Three of the four sets of letters follow the same order. Find the set in which letters do not follow that order.

A. O, P, R

B. A, D, G

C. F, I, L

D. M, P, S

**Answer: B**



**View Text Solution**

**30.** The following sets in the question contain 3 letters. Three of the four sets of letters follow the same order. Find the set in which letters do not follow that order.

A. G, E, C

B. L, J, H

C. R, P, N

D. V, U, R

**Answer: D**



**Watch Video Solution**

**31.** The following sets in each question contain 3 letters. Four of the five sets of letters follow

the same order. Find the set in which letters do not follow that order.

A. Z, U, P

B. V, Q, L

C. R, M, H

D. X, U, O

**Answer: C**



**View Text Solution**

**32.** The following sets in the question contain 3 letters. Three of the four sets of letters follow the same order. Find the set in which letters do not follow that order.

A. D, J, H

B. P, S, T

C. F, L, J

D. H, N, L

**Answer: B**



Watch Video Solution

33.  $P \wedge Q$  means  $\frac{P + Q}{Q - P}$  and  $P \vee Q$  means  $\frac{Q - P}{Q + P}$

Answer the following questions:

$$5 \wedge 6 + 5 \vee 6$$

A.  $\frac{100}{11}$

B.  $\frac{108}{11}$

C.  $\frac{113}{11}$

D.  $\frac{115}{11}$



**Answer: A**



**View Text Solution**

34.  $P \wedge Q$  means  $\frac{P + Q}{Q - P}$  and  $P \vee Q$  means  $\frac{Q - P}{Q + P}$

Answer the following questions:

$$10 \wedge 2 - 7 \vee 9$$

A.  $-\frac{11}{8}$

B.  $\frac{11}{8}$

C.  $\frac{13}{8}$

D.  $-\frac{13}{8}$

**Answer: D**



**Watch Video Solution**

35.  $P \wedge Q$  means  $\frac{P + Q}{Q - P}$  and  $P \vee Q$  means  $\frac{Q - P}{Q + P}$

Answer the following questions:

$$6 \wedge 4 + 4 \vee 6$$

A.  $\frac{24}{5}$

B.  $-\frac{24}{5}$

C.  $\frac{26}{5}$

D.  $-\frac{26}{5}$

**Answer: A**



**View Text Solution**

36.  $P \wedge Q$  means  $\frac{P + Q}{Q - P}$  and  $P \vee Q$  means  $\frac{Q - P}{Q + P}$

Answer the following questions:

$5 \wedge 7 \div 7 \vee 5$

A. -36

B. 36

C. 48

D. -48

**Answer: A**



**View Text Solution**

37.  $P \wedge Q$  means  $\frac{P + Q}{Q - P}$  and  $P \vee Q$  means  $\frac{Q - P}{Q + P}$

Answer the following questions:

$$8 \wedge 6 \times 10 \vee 8$$

A.  $-\frac{9}{7}$

B.  $\frac{9}{7}$

C.  $\frac{7}{9}$

D.  $-\frac{7}{9}$

**Answer: B**



**View Text Solution**

**38.** According to a code language, words in capital letters in column I have been written in small letters in Column II, but letters in Column II are not written in order. Decode the words given in the questions.

Column I	Column II
----------	-----------

RATE	ulhb
------	------

DATE	uhvl
------	------

MALE	gpul
------	------

NAME	cgul
------	------

ROAD	buvf
------	------

TALE	hplu
------	------

READ

A. bluv

B. blfv

C. lfuv

D. gluv

**Answer: D**



**View Text Solution**

**39.** According to a code language, words in capital letters in column I have been written in small letters in Column II, but letters in Column II are not written in order. Decode the

words given in the questions.

Column I	Column II
----------	-----------

RATE	ulhb
------	------

DATE	uhvl
------	------

MALE	gpul
------	------

NAME	cgul
------	------

ROAD	buvf
------	------

TALE	hplu
------	------

DARE

A. vufi

B. vucl

C. blfc

D. vubl



**Answer: B**



**View Text Solution**

**40.** According to a code language, words in capital letters in column I have been written in small letters in Column II, but letters in Column II are not written in order. Decode the words given in the questions.

Column I    Column II

RATE        ulhb

DATE        uhvl

MALE        gpul

NAME        cgul

ROAD        buvf

TALE        hplu

ROMAN

A. b f g v c

B. b f g u c

C. b f u v c

D. b f c l u

**Answer: D**



**41.** Numbers in each series follow some rule.

Find the missing term.

2, 4, 6, 10, 12, 22, 34, 36, ?

A. 70

B. 68

C. 66

D. 64

**Answer: B**



[View Text Solution](#)

42. Numbers in each series follow some rule.

Find the missing term.

1, 8, 9, 64, 25, 216, 49, ?

A. 496

B. 504

C. 512

D. 532

**Answer: B**



[View Text Solution](#)

**43.** Numbers in the following series follow some rule. Find the missing term.

0, 5, 8, 17, 24, 37, 48, ?

A. 59

B. 61

C. 63

D. 65

**Answer: D**



Watch Video Solution

44. Numbers in the following series follow some rule. Find the missing term.

336, 210, 120 ? 24, 6, 0

A. 110

B. 70

C. 60

D. 50

**Answer: C**



Watch Video Solution

**45.** A number series arranged in some sequence is given, One term in the series is wrong, which is given as one of the alternatives under it. Find the wrong term in each case.

6, 4, 10, 5, 16, 6, 26, 7, 52, 8

A. 4

B. 16

C. 26

D. 52

**Answer: B**



**View Text Solution**

**46.** A number series arranged in some sequence is given, One term in the series is wrong, which is given as one of the alternatives under it. Find the wrong term in each case.

3, 5, 10, 12, 24, 26, 52, 54, 109, 110



A. 12

B. 26

C. 52

D. 54

**Answer: D**



**View Text Solution**

**47.** A number series arranged in some sequence is given, One term in the series is wrong, which is given as one of the

alternatives under it. Find the wrong term in each case.

2, 0, 5, 8, 17, 24, 37, 48

A. 2

B. 0

C. 5

D. 8

**Answer: A**



**View Text Solution**

**48.** A number series arranged in some sequence is given, One term in the series is wrong, which is given as one of the alternatives under it. Find the wrong term in each case.

0, 1, 3, 6, 10, 15, 21, 28, 37, 45

A. 0

B. 21

C. 28

D. 37

**Answer: C**



**View Text Solution**

**49.** A number series arranged in some sequence is given, One term in the series is wrong, which is given as one of the alternatives under it. Find the wrong term in that case.

1, 3, 7, 15, 31, 65, 127, 255

A. 3

B. 7

C. 65

D. 31

**Answer: C**



**Watch Video Solution**

**50.** In each blank space write one of  $+$ ,  $-$ ,  $\times$ , and  $\div$  signs so that the equation is true.

$$(84 \ 12) \ 13 \ 18 = 2$$

A.  $\div$ ,  $-$ ,  $+$

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

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

D.  $\div$ ,  $-$ ,  $-$

**Answer: C**



**View Text Solution**

**51.** In each blank space write one of  $+$ ,  $-$ ,  $\times$ , and  $\div$  signs so that the

equation is true.

$$(72 \ 6) (12 \ 6) = 2$$

A.  $-$ ,  $\div$ ,  $\div$

B.  $\div$ ,  $-$ ,  $\div$

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

D.  $\div$ ,  $\div$ ,  $-$

**Answer: D**



**View Text Solution**

52. In each blank space write one of  $+$ ,  $-$ ,  $\times$ , and  $\div$  signs so that the equation is true.

$$6 \ 5 \ 3 \ 4 = 18$$

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

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

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

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

**Answer: B**



Watch Video Solution



**53.** In each blank space write one of  $+$ ,  $-$ ,  $\times$ , and  $\div$  signs so that the equation is true.

$$9 \ 3 \ (15 \ 5) = 8$$

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

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

C.  $-$ ,  $\div$ ,  $\div$

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

**Answer: C**



**View Text Solution**

**54.** In each blank space write one of  $+$ ,  $-$ ,  $\times$ , and  $\div$  signs so that the equation is true.

$$15 \ 5 \ (15 \ 3) = 80$$

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

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

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

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

**Answer: D**



**View Text Solution**

55. I.  $P + Q$  means P is mother of Q.

II.  $P \div Q$  means P is father of Q.

III.  $P - Q$  means P is sister of Q.

Which of the following shows that M is daughter of R?

A.  $R \div M + N$

B.  $R + M \div N$

C.  $R - M \div N$

D. Inadequate information

**Answer: C**



**View Text Solution**

**56.** Read the following information and answer the question given below it:

I.  $P + Q$  means P is mother of Q.

II.  $P \div Q$  means P is father of Q.

III. P - Q means P is sister of Q.

=>If  $A + B \div C - D$ , then A is D's

A. Father

B. Grandmother

C. Sister

D. Grandfather

**Answer: B**



**Watch Video Solution**

57. Raju starts from a point 'P' to the North and goes 30 metre and then turns left side and goes 40 metre and reaches point Q. What is the minimum distance from P to Q and in which direction Q is from P?

- A. 50 m North East
- B. 60 m North West
- C. 50 m North West
- D. 80 m North West

**Answer: C**



[View Text Solution](#)

58. There is sign (s) of ? mark in the blank space in which only one of the five alternatives satisfy the same relationship. Find the correct one.

CAT : ECV : PEN : ?

A. RGP

B. QFO

C. QGP

D. NCL

**Answer: A**



**View Text Solution**

**59.** There is sign (s) of ? mark in the blank space in which only one of the five alternatives satisfy the same relationship. Find the correct one.

CDF : DEG : EFH : ?

A. FGH



B. GHF

C. FGI

D. FHG

**Answer: B**



**View Text Solution**

**60.** There is sign (s) of ? mark in the blank space in which only one of the five alternatives satisfy the same relationship. Find the correct

one.

ACE : KIG : M?Q : WU ?

A. OZ

B. NS

C. OS

D. PT

**Answer: C**



**View Text Solution**