

MENTAL MATHS AND REASONING
MMRWS – 14
TOPIC – MATHEMATICAL OPERATION

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MATHS COPY 2

MMRWS- 13

Q.5) If ROAST is coded as PQYUR in a certain language, then how will SLOPPY be coded in that language ?

- a) QNMRNA b) INNDRS c) DITSQT d) PQUYST

Sol.

| | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| R | O | A | S | T | S | L | O | P | P | Y |
| -2 ↓ | +2 ↓ | -2 ↓ | +2 ↓ | ↓ -2 | -2 ↓ | ↓ +2 | ↓ -2 | ↓ +2 | ↓ -2 | ↓ +2 |
| P | Q | Y | U | R | Q | N | M | R | N | A |

So, the required code is QNMRNA. Hence, the answer is (a).

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Q.6) If DICTIONARY is written as 1-2-3-4-2-5-6-7-8-9 , then ORDINARY is written as :

- a) 5-9-1-2-6-7-8-9 b) 5-8-1-2-6-7-8-9 c) 5-7-3-2-6-7-8-9 d) 5-6-1-2-6-7-8-9

RAT CODED 3-4-5....AT?

Sol:-

| | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| <u>D</u> | <u>I</u> | <u>C</u> | <u>T</u> | <u>I</u> | <u>O</u> | <u>N</u> | <u>A</u> | <u>R</u> | <u>Y</u> | <u>O</u> | <u>R</u> | <u>D</u> | <u>I</u> | <u>N</u> | <u>A</u> | <u>R</u> | <u>Y</u> |
| <u>1</u> | <u>2</u> | 3 | 4 | 2 | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> | <u>5</u> | <u>8</u> | <u>1</u> | <u>2</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> |

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Q.7) If NOIDA is written as 3-9-6-5-8 , how will INDIA be written ?

a) 3-6-5-6-8

b) 6-3-5-6-8

c) 6-3-5-6-9

d) 6-5-3-6-8

Sol:

| | | | | | | | | | | |
|----------|----------|----------|----------|----------|--|----------|----------|----------|----------|----------|
| <u>N</u> | <u>O</u> | <u>I</u> | <u>D</u> | <u>A</u> | | <u>I</u> | <u>N</u> | <u>D</u> | <u>I</u> | <u>A</u> |
| 3 | 9 | 6 | 5 | 8 | | 6 | 3 | 5 | 6 | 8 |

Q.1) If $+$ means \times , \times means $-$, \div means $+$ and $-$ means \div , then $175 - 25 \div 5 + 20 \times 3 + 10 = ?$
a) 77 b) 160 c) 240 d) 370

Explanation : $+$ \times ; \times $-$; \div $+$; $-$ \div

$$= 175 \div 25 + 5 \times 20 - 3 \times 10 \quad (\text{Apply DMAS rule})$$

$$= 7 + 5 \times 20 - 3 \times 10$$

$$= 7 + 100 - 30$$

$$= 107 - 30$$

$$= 77$$

Q.2) If \div means \times , \times means $+$, $+$ means $-$, $-$ means \div , Find $16 \times 3 + 5 - 5 \div 4 = ?$
a) 9 b) 10 c) 15 d) 29

Explanation :

$$= 16 + 3 - 5 \div 5 \times 4 \quad (\text{Apply DMAS rule})$$

$$= 16 + 3 - 1 \times 4$$

$$= 16 + 3 - 4$$

$$= 19 - 4$$

$$= 15$$

Q.3) If WHITE is called BLUE , BLUE is called RED , RED is called YELLOW , YELLOW is called GREEN, what would be the colour of human blood ?

- a) Red b) Green c) Yellow d) Blue
-

Explanation :

The colour of the human blood is RED and as given RED is called YELLOW.
So, the colour of human blood is YELLOW.

Q.4) If SKY is STAR , STAR is CLOUD , CLOUD is EARTH , EARTH is TREE , then where do the birds fly ?

- a) Cloud b) Earth c) Sky d) Star
-

Explanation :

Birds fly in the SKY and as given , SKY is STAR. So , birds fly in the STAR.

Q. 5) How many triangles are there in this figure?

- a) 7 b) 8 c) 9 d) 10

