

Annual Examination 2016

Subject : Math's (E.M.)

Class : VI

Time : 3 hrs

MM : 100

Q.1 Select the correct option and write-

(5)

(i) The successor of the number -396 is-

- (a) -397 (b) 397 (c) 395 (d) -395

(ii) A watch was bought for ` 550 and it was sold for ` 627. The percentage of the profit or loss will be-

- (a) 14% profit (b) 15% loss (c) 14% loss (d) 15% profit.

(iii) The algebraic expression for the difference of one third of x and Z will be-

- (a) $3x - z$ (b) $x - 3z$ (c) $\frac{x}{3} - z$ (d) $x - \frac{2}{3}$

(iv) The perimeter of an equilateral triangle whose side is 7cm, will be-

- (a) Equal to the perimeter of a square whose side is 7cm.
(b) Less than the perimeter of a square whose side is 7cm.
(c) More than the perimeter of a square whose side is 7cm.
(d) Half of the perimeter of a square whose side is 7cm.

Q.2 Fill in the blanks-

(5)

(i) $9005 + 525 = \dots\dots\dots + 925$

(ii) $2415 + \dots\dots\dots = 530 + 2410$

(iii) $235 + 0 = \dots\dots\dots$

(iv) $345 + (55 + 145) = (345 + \dots\dots\dots) + 145$

(v) $(57 + \dots\dots\dots) + 100 = \dots\dots\dots + (43 + 100)$

Q.3 Match the following-

(5)

- | | | |
|-------|--------------------|---------------|
| (i) | Big four digit no. | 1 |
| (ii) | Small whole no. | 1 to start. |
| (iii) | Rational no. | 999 |
| (iv) | Natural no. | $\frac{1}{2}$ |
| (v) | Small natural no. | 0 |

Q.4 Find the sum of the following addition-

(0)

- (a) $(418 + 232) + 132$
- (b) $2530 + (370 + 70)$
- (c) $637 + 908 + 363$
- (d) $125 + 375 + 448$
- (e) $3978 + 2312$
- (f) $518 + 336$

Q.5 Multiply by using suitable rearrangement (Any 5)

(25)

- (i) $2 \times 37 \quad 35 \times 50$
- (ii) $4 \times 25 \times 666$
- (iii) $8 \times 298 \times 125$
- (iv) Multiply the greatest five digit number with the smallest number of the digits.
- (v) Quotient and remainder.
- (a) $7777 \div 55$
- (vi) Find the value-
- (a) $120 - 20 \div 2$

Q.6 Express the ratio in simplest form-

(1) Salim bought from Jhabua the following fruits from the shop of fruit seller on ()

- (1) $175 : 425$ (ii) $85 : 255$

(iii) Write the power of X in each term of the algebraic expression-

$$3x^2 - 2xy + 4y^2x^3$$

(iv) Add the following 3 algebraic expressions –

$$x^3 - 3x^3, 2x^3 - 4x^3$$

(v) Subtract-

$$5a - 3b \text{ from } 2a + b - 2$$

(vi) Simplify-

$$(a) \quad 23x^4 - 15x^4$$

$$(b) \quad -15ab - 3ab$$

Q.7 Solve the equation-

0

$$(i) \quad 3y - 6 = 18$$

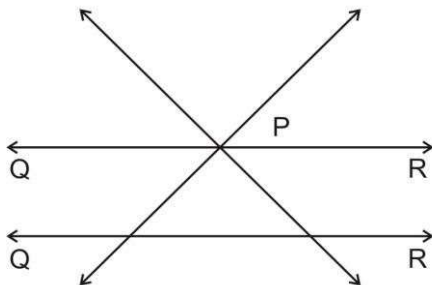
$$(ii) \quad 7a + 8 = 43$$

Q.8 The sum of a number and 5 is 9 find the number.

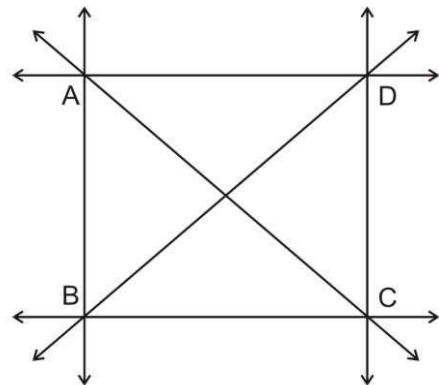
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OR

Write the names of lines in the given figures-

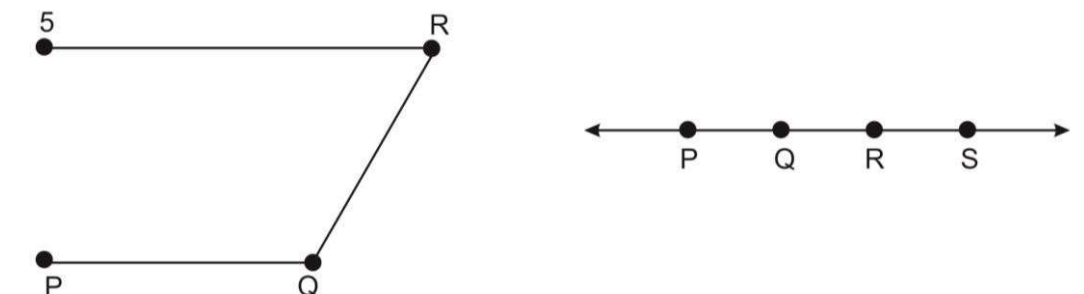


(Fig- 1)



(Fig-2)

Q.9 Write the name of all line segments in given figure-



OR

Give four examples of line segments from your environments.

Q.10 Find the supplement of each of the following angles-

(i) 70°

(ii) 90°

(iii) 50°

OR

The three angles of a triangle are equal to one another. what is the measure of each angle?

Q.11 Draw a angles (use a protector)

(i) 45°

(b) 20°

OR

Find the per miters of rectangles whose lengths and breadths are given.

(i) 10 cm., 3cm.

(ii) 6cm., 4cm.