



Army Public School, Panagarh

Annual Worksheet (2019-20)

Class:VI

Sub : Mathematics

Section 1

I. Questions 1 to 20 carry 1 mark each:

1. Multiple choice answers.

a. The algebraic expression for the perimeter of a rectangle is

- i. $2l+b$ ii. $l+2b$ iii. $2(l+b)$ iv. $l+b+2$

b. The ratio of 1 hr to 50min is

- i. $6 : 5$ ii. $10:5$ iii. $15:1$ iv. $16:1$

c. Which of the following do not denote perimeter of a polygon

- i. b^2 ii. $4a$ iii. $2\pi r$ iv. $2(l+b)$

d. What is the perimeter of a square with side 2.5cm?

- i. 20cm ii. 10 cm iii. 200cm iv. 25cm

e. According to distributivity of number, $a \times (b+c)$

- i. $(a \times b) + c$ ii. $a \times b + c$ iii. $(a \times b) + (a \times c)$ iv. $a \times c + b$

f. Number of lines of symmetry a circle has is

- i. 0 ii. 1 iii. Infinite iv. 10

g. Radius AB of length is denoted as

- i. \overleftrightarrow{AB} ii. \overrightarrow{AB} iii. \overline{AB} iv. AB

2. State true or false.

a. Sum of 2 positive numbers is positive.

b. $40:45 :: 9:8$

c. We use a protractor to measure an angle.

d. Difference of a positive and a negative number is negative always.

e. Perimeter is the surface enclosed by a closed figure.

3. Fill in the blanks

a. Rectangle has _____ lines of symmetry.

b. $24 - (-4) =$ _____.

c. $a+10=30$, then $a=$ _____.

d. $(-10) + 10 =$ _____.

e. Collection of numbers to give some information is_____.

Section -2

II. Question number 4 to 14 carries 2 marks each:

(2x11=22)

4. A pentagon has side each of length 15 cm. find the perimeter. Also find the cost of fencing it at a rate of Rs50 per meter.
5. Give a suitable expression for,
 - a. Sum of two number m and n.
 - b. 4 more than product of two number x and y.
6. Divide 80 in the ratio of 1:4
7. Draw a regular hexagon. Find out the lines of symmetry.
8. Sounak starts his journey from Durgapur at 9pm to Ranchi. If his car is running at the speed of m km per hour and at 3 am he observes that he is 35 km from Ranchi. Find the distance between Durgapur to Ranchi.
9. Draw line segment AB. Construct a line segment XY such that XY is double of AB.

Section-3

III. Answer the following questions:

10. Construct a frequency distribution table for the following data: 2,4,2,2,1,3,3,2,5,1,1,2,3,4,3,2,1,1,4,5,2,4,2,2,1,3,3,2,5
11. Rini wants to cover her room which is 2.5m wide and 4m long by squared tiles. If each square tiles is of side 60 cm, then find the number of tiles required to cover the floor of his room.
12. A car travels 90km in 2.5hrs.
 - a. How much time is required to cover 30km with the same speed.
 - b. Find the distance covered in 2hrs with the same speed.

Section-4

III. Solve

13. Check which of the following is a solution for the equation $\frac{r}{5} - 15 = 3$, when r=0, 36,15,90.
14. Draw an angle of 107° and bisect it.