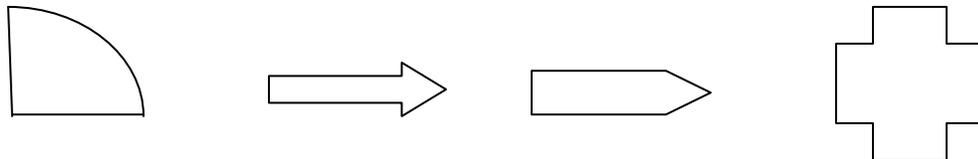**PON VIDYASHRAM SCHOOL – VALASARAVAKKAM**
MATHS WORKSHEET

CLASS : VII

I.   ANSWER THE FOLLOWING:

1. Find the sum of (-132) + (- 256) + 309 + 408
2. Find the sum of (-1094) + 2118 + (-3056)
3. The product of two integers is 192. If one integer is -48, find the other.
4. The product of two integers is -459; if one integer is 51, find the other.
5. Find the value of :
   i.   ½ of 1 day (write in terms of hours)
   ii.   1/8 of 216
6. Convert into decimals:
   i. $1\frac{3}{4}$ ii. $\frac{19}{25}$
7. Find the mean and range of

   46, 32,46,31,30,48,54,29

8. Find the mean, median , mode, range of

   85,35,95,85,95,65,85,70,85,60

9. Draw the axis of symmetry:

10. Write three letters of the English Alphabet having two lines of symmetry and rotational symmetry of order 2.
11. What is the order of rotational symmetry of a square? Give the angles of such rotations:
12. i. How many lines of symmetry does a Rhombus have?
    ii.   What is the order of rotational symmetry of a Rhombus.
13. Give an example of a letter of the English alphabet which has
    (i)   No line of symmetry and
    (ii)   Rotational symmetry of order 2.
14. Find the mean of first ten composite numbers.
15. A bag contains 6 blue balls, 8 yellow balls and 10 black balls. A ball is drawn from the bag at random. Find the probability that the ball drawn is
    i.   A red ball
    ii.   A blue ball
    iii.   A non black ball.

16. A survey of 150 girls showed that 63 like tea while 87 dislike it. Out of these girls one girl is chosen at random. What is the probability that the chosen girl
    i.   Likes tea?   ii. Dislikes tea?
17. i. For a= -6, b= 10, c= -12, verify the distributive property of multiplication over addition.
    ii.   For a= -10,   b= -6 , c= -5 . verify the distributive property of multiplication over subtraction.
18. Find the product of -80 and the sum of -119 and 64.
19. Find the product of 100 and the difference of 419 and -600.
20. Simplify : -4135 x 99 + (-4135)
21. Use the property to simplify:
    i.   468 x 102
    ii.   3165 x 10 x 2 x10
22. Use property and simplify:
    i.   (-2720 x-99)-2720
    ii.   486 x 99 + 486
23. Find the area of square whose side is 8.09 cm.
24. Find the area and perimeter of the rectangle whose length is 25.01 cm and breadth is 19.73cm.
25. Divide: i. 39.168 by 12   ii. 202.4 by 40
26. The cost of 24 toys of the same kind is Rs. 783.60. Find the cost of each toy.
27. Find the quotient:
    i.   148 ÷ 0.074   ii. 16.578 ÷ 5.4   iii. 0.8085 ÷ 0.35

    iv.   0.076 ÷ 0.19

28. The following data shows India's total population from 1951 to 2001. Represent by a bar graph.

Year	1951	1961	1971	1981	1991	2001
Population (in Millions)	360	432	540	684	852	1020

29. The following tables show the average rainfall in Udaipur from June to November. Draw a bar graph to represent the data.

Month	June	July	Aug	Sep	Oct	Nov
Average rainfall	25 cm	30 cm	40 cm	20 cm	10 cm	5 cm

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