AL KHOZAMA INTERNATIONAL SCHOOL, DAMMAM
B.E.S.T. Group of Schools, K.S.A.

Affiliated to CBSE - New Delhi, Affiliation No: 5730019

Term Examination- 3 (2022-23)
SUBJECT:MATHEMATICS

## WORKSHEET - 1

## FILL IN THE BLANKS:

1. The perimeter of a square $=$ $\qquad$ x side
2. There are 12 trucks and 5 cars. What is the ratio of trucks to cars?
3. ...... is the amount of surface a figure covers.
4. A ...... is a letter used to represent an unknown quantity.
5. A quantity whose value does not vary is called a ......
6. A set of tally marks have $\qquad$
a) 10 counts b) 5 counts
c) 4 counts
d) 6 counts
7. The data can be organized in tables using
a) Bargraph b) Pictograph
c)Tally table
d) Circle chart

## SOLVE:

8. The number of boys and girls in a school are 1168 and 1095 respectively. Express the ratio of the number of boys to that of the girls in the simplest form.
9. Give two equivalent ratios of $6: 8$
10. Identify the property used:
a) $x+y=y+x$
b) $3 x(p+q)=3 p+3 q$
11. Identify the rules for the following patterns:

| X | 1 | 2 | 3 | 4 | 10 | 20 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Value | 5 | 6 | 7 | 8 | 14 | 24 |

12. Construct angles of these measures using a compass .
a) $60^{\circ}$
b) $30^{\circ}$
c) $120^{\circ}$
13. Venu jogs 5 times around a park which is 150 m long \& 100 m wide. How much distance does he cover?
14.The length \& breadth of a room are $650 \mathrm{~cm} \& 450 \mathrm{~cm}$ respectively. Find the cost of flooring it at Rs 30 per sq. m
14. Construct perpendicular bisectors on line segments of these lengths
a) 6 cm
b) 8.8 cm
15. 

| Job | Number of persons | Each 삿 $=\mathbf{3 0 0 0}$ persons |
| :---: | :---: | :---: |
| Private service | 솟사솟ㅈㅅ숫삿 |  |
| Government service |  |  |
| Factory service |  |  |

a) What is the number of persons employed in government service?
(b) How many more person were employed in government service than in private service?
(c) In which service, were the maximum number of persons employed?
24.The result of a Mathematics test is as follows:
$80,90,70,80,80,60,80,70,90,65,100,60,70,60,70,85,65,70,70,85,90,60,65$, 80, 60
Make a frequency table for the above data and answer the following questions:
(a) What is the maximum marks obtained?
(b) How many students score less than 75 marks?
(c) How many students scored 80 marks or above?
(d) How many students appeared in the test?
25. The results when a dice is rolled 10 times are 5,3,1,6,1,5,3,6,4,6. Find the mean and median scores .
26. In a year, Seema earns ₹ $1,50,000$ and saves ₹ 50,000 . Find the ratio of
(a) Money that Seema earns to the money she saves
(b) Money that she saves to the money she spends.
27. Draw angles of these measures and construct their angle bisectors .

What is the measure of new angle formed ?
a) $70^{\circ}$
b) $120^{\circ}$
c) $156^{0}$

## WORKSHEET - 2

## FILL IN THE BLANKS:

1. Comparing a quantity with another quantity is called $\qquad$
2. Area is the amount of $\qquad$ a closed shape occupies.
3. Breadth of a rectangle is given by the formula: Area divided by $\qquad$
4. The ratio of 50 g to $2 \mathrm{~kg}=$ $\qquad$
5. One equivalent ratio of $6: 4=$ $\qquad$
6. Form of numeral used to count in sets of 5 is called $\qquad$

## Choose the Correct one

7. The ratio of 1 hour to 300 seconds is :
a) $1: 12$
b) $1: 5$
c) $12: 1$
d) $5: 1$
8. To calculate side of a square when perimeter is given, we divide perimeter by:
a) 4
b) 6
c) 2
d) 8
9. If each side of a square with side 16 m is halved, then its area reduces by :
a) 64
b) 738
c) 192
d) 256
10.A set of tally marks have $\qquad$ $:$
a) 10 counts
b) 5 counts
c) 4 counts
d) 6 counts .
10. $\mathrm{X}+\mathrm{Y}=\mathrm{Y}+\mathrm{X}$,The property is
a) Associative
b) Commutative
c) Distributive
d) Closure property

## SOLVE:

12.In a school there were 73 holidays in a year. What is the ratio of number of holidays to number of days in the year?
13.The perimeter of a square painting is 5 m 40 cm . Find the length of each side. 17.The cost of leveling a playground 51 m long and 40 m wide at Rs 35 per square meter. Also, find the cost of fencing it at Rs 50 per meter.
14. The perimeter of a square is 48 m . The area of a rectangle is $4 \mathrm{sq} . \mathrm{m}$ less than the areaof the given square. If the length of the rectangle is 14 m , then find its breadth.
15. Construct perpendicular bisectors to line segments of the given lengths
a) 6 cm
b) 8 cm
16. Sharma wants to divide Rs. 55,000 between his sons-Rahul and Mohit in the ratio oftheir ages. If age of Rahul is 18 years and age of Mohit is 12 years, find how much Rahul and Mohit will get ?
17. Organize the following marks obtained by 20 students in a math's test, in a table.

$$
\begin{array}{llllllllllllllllll}
15 & 18 & 12 & 15 & 16 & 18 & 14 & 15 & 12 & 10 & 15 & 18 & 16 & 12 & 10 & 18 & 14 & 12
\end{array} 18 \text {. }
$$

18. a)Find the rule for the pattern
b) Using the rule ,what is the value when $\mathrm{X}=15$

| X | 5 | 6 | 7 | 8 | 12 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Value | 2 | 3 | 4 | 5 | 9 | $? ?$ |

19. Which of the following pairs is a co-prime ?
a) 18 and 35
b) 17 and 68
20..Express the following as the sum of two odd primes
a) 18
b) 36
20. Construct an angle bisector for all the angles .

