

St. Thomas School, Indirapuram
Class VI
Maths Worksheet – 8 (2019 – 20)

1. Arrange the following fractions:

i) $\frac{5}{8}, \frac{1}{3}, \frac{7}{12}$ (in descending order)

ii) $\frac{5}{16}, \frac{1}{4}, \frac{11}{12}, \frac{19}{24}$ (in ascending order)

2. A cyclist covered $8\frac{5}{12}$ km in three hours. He covered $3\frac{5}{8}$ km in first two hours. What distance did he cover in the third hour?

3. Simplify:

i) $\frac{35}{63}$ ii) $\frac{27}{90}$ iii) $\frac{104}{143}$

4. A postman walked 3.850 km on Monday and 5.695 km on Tuesday. How far did he travel in these two days?

5. A vessel weighed 16 kg 372 g. After it was melted, it weighed 12 kg 786 g. how much metal was lost by melting?

6. Write each of the following algebraically using signs and symbols:

i) Four times x increased by 4 gives 36

ii) z is greater than y by 10

iii) One-fifth of the sum of p and q is 29

iv) The product of a and 8 is 72

7. Divide ₹225 between Kanchan and Riya in the ratio 7:8.

8. It takes Shweta 45 minutes to walk 5 km. How long would it take her to walk 4 km at the same speed? How far would she go in 90 minutes?

9. Where will the hour hand of a clock stop if it starts:

i) From 3 and turns through 2 right angles?

ii) From 1 and turns through 1 straight angle

iii) From 9 and turns through 3 right angles?

iv) From 2 and turns through 1 complete angle?

10. A boy starts walking from the point A, crosses B, C, D and again reaches A. Find the angle made in going from:

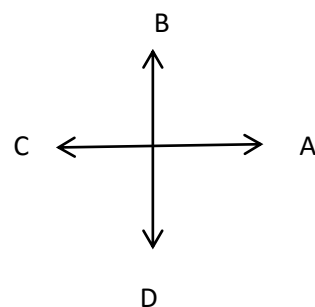
i) A to B

ii) A to C

iii) B to C

iv) A to D

v) A to A



11. A boatman is rowing his boat due North-East. In which direction will he be rowing, if he turns to the left through:

i) One straight angle?

ii) One complete angle?

12. Which of the following are examples of perpendicular lines?
- Opposite edges of your book
 - Adjacent edges of a wall
 - The directions East and North
 - The line segments forming the letter T.
13. Draw an angle of 160° and divide it into four equal parts. What is the measure of each angle?
14. Draw a line segment $AB = 6$ cm. Take a point C on it at a distance of 2 cm from B. At C, construct $\angle DCB = 30^\circ$. Measure $\angle DCA$.
15. The total cost of fencing a square park at ₹20 per metre is ₹2,880. Find the side of the square park.
16. Two fields have the same perimeter. One is a square of side 72 m and another is a rectangle of length 80 m. Which plot has the greater area and by how much?
17. The following table shows the number of teams in a sports competition:

Sport	No. of teams
Cricket	15
Hockey	18
Football	14
Badminton	5
Tennis	7

Draw a pictograph to represent the above data using suitable scale.

18. 50 households were surveyed and the number of children in each family was recorded as follows:

No. of children	No. of families
0	8
1	11
2	17
3	8
4	5
5	1

Represent the above data using bar graph.

19. The cost of 5 dozens of pencils is 90. How many pencils can be purchased for 13.50?
20. A car travels 180km in 4 hours.
- How long will it take to travel 400km at this speed?
 - How far will it travel in 7 hours?