



Baroda High School, ONGC Primary Section

Term – I Revision Work Sheet Morning Shift (2023-24)

Std: - 7th_

Sub: Math's

Total Marks: 50

Date: __/__/2023

Q. Solve the following

1. A batsman scored the following number of runs in six innings:

36, 35, 50, 46, 60, 55

Calculate the mean runs scored by him in an innings.

2. Find the mean of first five natural numbers.

3. Find the mean of first six odd natural numbers.

4. Find the mean of first seven even natural numbers.

5. Find the mean of first five prime numbers.

6. Find the mean of first six multiples of 5.

7. Find the median of first 10 even numbers.

8. Find the median of 3, 11, 7, 2, 5, 9, 9, 2, 10.

9. Find the median of 9, 25, 18, 15, 6, 16, 8, 22, 21.

10. The ages in years of 10 teachers of a school are:

32, 41, 28, 54, 35, 26, 23, 33, 38, 40

(i) What is the age of the oldest teacher and that of the youngest teacher?

(ii) What is the range of the ages of the teachers?

(iii) What is the mean age of these teachers?

11. A cricketer scores the following runs in eight innings: 58, 76, 40, 35, 46, 45, 0, 100.

Find the mean score.

12. The enrolment in a school during six consecutive years was as follows:

1555, 1670, 1750, 2013, 2540, 2820

13. Following are the margins of victory in the football matches of a league.

1, 3, 2, 5, 1, 4, 6, 2, 5, 2, 2, 2, 4, 1, 2, 3, 1, 1, 2, 3, 2,

6, 4, 3, 2, 1, 1, 4, 2, 1, 5, 3, 3, 2, 3, 2, 4, 2, 1, 2

14. Find the mode of the numbers: 2, 2, 2, 3, 3, 4, 5, 5, 5, 6, 6, 8

15. The scores in mathematics test (out of 25) of 15 students is as follows:

19, 25, 23, 20, 9, 20, 15, 10, 5, 16, 25, 20, 24, 12, 20

Find the mode and median of this data. Are they same?

16. Two hundred students of 6th and 7th class were asked to name their favourite colour so as to Decide upon what should be the colour of their school Building. The results are shown in the following table. Represent the given data on a bar graph.

Favourite colour	Red	Green	White	Yellow	Blue
Number of students	43	19	55	49	34

17. Write the following statements in the form of equations:

(i) The sum of three times x and 11 is 32.

(ii) If you subtract 5 from 6 times a number, you get 7.

(iii) One fourth of m is 3 more than 7.

(iv) One third of a number plus 5 is 8.

18. Convert the following equations in statement form:

(i) $x - 5 = 9$

(ii) $5P = 20$

(III) $3n + 7 = 1$

(iv) $\frac{m}{5} - 2 = 6$.

19. Write the following situation in the form of equations:

Raju's father's age is 5 years more than three times Raju's age. Raju's father is 44 years old

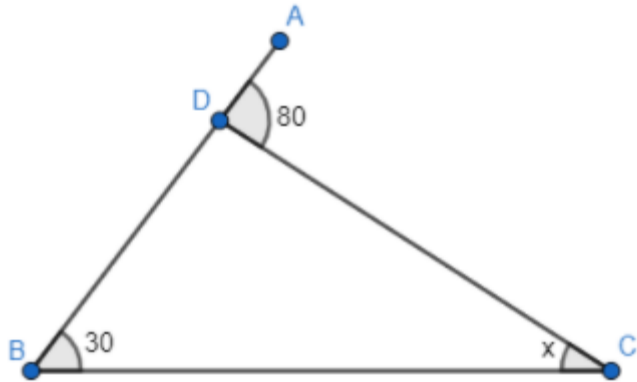
Set up an equation to find Raju's age.

20. Write equations for the following statements:

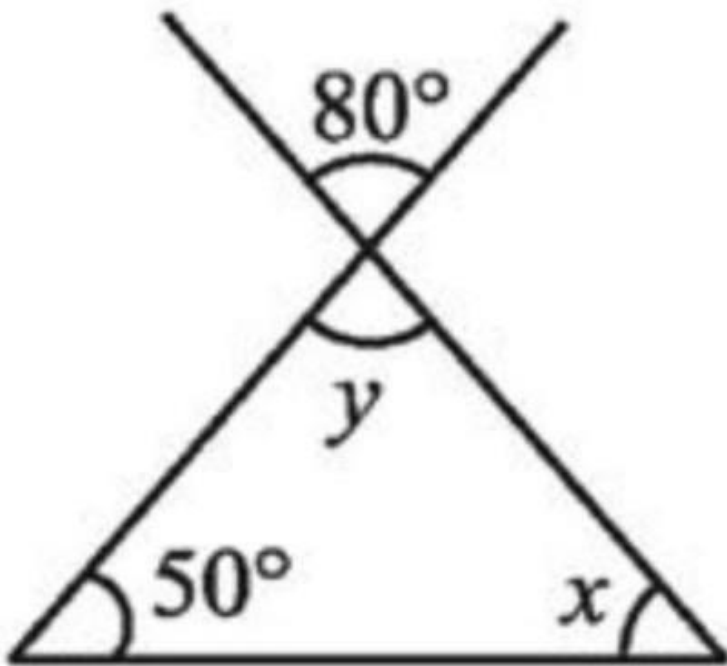
(i) The sum of numbers x and 4 is 9.

(ii) The difference between y and 2 is 8.

- (iii) Ten times **a** is 70.
 (iv) The number **b** divided by 5 gives 6.
 (v) Three fourth of **t** is 15.
 (vi) Seven times **m** plus 7 gets you 77.
 (vii) One fourth of a number minus 4 gives 4.
 (viii) If you take away 6 from 6 times y, you get 60.
 (ix) If you add 3 to one third of z, you get 30.
21. Write the following statements in the form of equations:
- (i) 11 added to 2m to get 40.
 (ii) 11 subtracted from 2m to 25.
 (iii) 5 times y to which 3 is added to get 45.
 (iv) 5 times y from which 3 is subtracted to get 33.
 (v) y is multiplied by -8 to get 24.
 (vi) y is multiplied by -8 and the 5 is added to the result to get 29.
 (vii) y is multiplied by 5 and the result is subtracted from 16 to get 4.
 (viii) y is multiplied by -5 and the result is added to 16 to get 8.
22. The length of a rectangular hall is 4 meters less than 3 times the breadth of the hall. What is the length, if the breadth is b meters?
23. Solve
- (a) $3n + 7 = 25$ (b) $2p - 1 = 23$ (c) $12p - 5 = 25$
24. Solve.
- (a) $3n - 2 = 46$ (b) $5m + 7 = 17$ (c) $10p = 100$
 (d) $10p + 10 = 100$ (e) $3s = -9$ (f) $3s + 12 = 0$
 (g) $2q - 6 = 0$ (h) $2q + 6 = 12$ (i) $\frac{20p}{3} = 40$
 (j) $\frac{3p}{10} = 6$ (k) $\frac{3p}{4} = 6$ (l) $\frac{-p}{3} = 2$
25. Solve
- (a) $4(m + 3) = 18$ (b) $-2(x + 3) = 5$
26. Solve the following equations.
- (a) $4 = 5(p - 2)$ (b) $-4 = 5(p - 2)$
 (c) $-16 = -5(2 - p)$ (d) $10 = 4 + 3(t + 2)$
 (e) $28 = 4 + 3(t + 5)$ (f) $0 = 16 + 4(m - 6)$
27. The teacher tells the class that the highest marks obtained by a student in her class is twice the lowest marks plus 7. The highest score is 87. What is the lowest score?
28. In an isosceles triangle, the base angles are equal. The vertex angle is 40° . What are the base angles of the triangle? (Remember, the sum of three angles of a triangle is 180°)
29. Nine added to thrice a number a whole number gives 45. Find the number.
30. Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. What is Laxmi's age?
31. What is the measure of the complement of each of the following angles?
 (i) 45° (ii) 65° (iii) 41° (iv) 54°
32. What will be the measure of the supplement of each one of the following angles?
 (i) 100° (ii) 90° (iii) 55° (iv) 125°
33. Identify which of the following pairs of angles are complementary and which are supplementary.
 (i) $65^\circ, 115^\circ$ (ii) $63^\circ, 27^\circ$ (iii) $112^\circ, 68^\circ$
 (iv) $130^\circ, 50^\circ$ (v) $45^\circ, 45^\circ$ (vi) $80^\circ, 10^\circ$
34. Lines $l \parallel m$; t is a transversal. Find the value of $\angle z$
35. Write the six elements (i.e., the 3 sides and the 3 angles) of ΔABC .
36. An exterior angle of a triangle is of measure 70° and one of its interior opposite angles is of measure 25° . Find the measure of the other interior opposite angle.

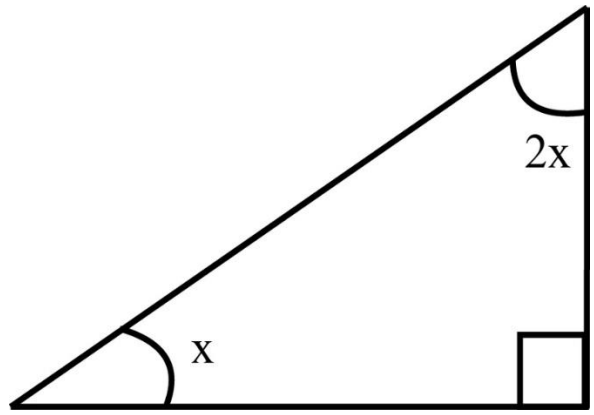


37. Find the value of x in the adjoining figure.
38. An exterior angle of a triangle is of measure 113° and one of its interior opposite angles is of measure 25° . Find the measure of the other interior opposite angle.
39. The two interior opposite angles of an exterior angle of a triangle are 49° and 41° . Find the measure of the exterior angle.
40. Two angles of a triangle are 30° and 80° . Find the third angle.
41. One of the angles of a triangle is 80° and the other two angles are equal. Find the measure of each of the equal angles.
42. The three angles of a triangle are in the ratio $1:2:1$. Find all the angles of the triangle.
43. Find the value of x and y in the adjoining figure.



44. $\triangle ABC$ is right-angled at C . If $AC=5\text{cm}$ and $BC=12\text{cm}$, find the length of AB .
45. PQR is a triangle right angled at P . If $PQ=10\text{cm}$ and $PR=24\text{cm}$, find QR
46. ABC is a triangle right angled at C . If $AB=25\text{cm}$ and $AC=7\text{cm}$, find BC .
47. Find the perimeter of the rectangle whose length is 40cm and a diagonal is 41cm .
48. The diagonals of a rhombus measure 16cm and 30cm . Find its perimeter.

49. Find the value of the unknown x in the adjoining figure.



50. Find the value of x in the below figure

