Name of School……………………………………………….

## Half Yearly Examination
## Sesson – 2024-25

Class – 7          Subject – Maths          M.M. 50

**All questions are compulsory.**

1. Write down a pair of integers whose:

    (a) sum is – 7
    (b) difference is – 10

2. Evaluate each of the following :
    (a) $(- 30) \div 10$

    (b) $50 \div (- 5)$

3. Arrange the following in descending order:

    (i) $\dfrac{2}{9} \quad \dfrac{2}{3} \quad \dfrac{8}{21}$          (ii) $\dfrac{1}{5} \quad \dfrac{3}{7} \quad \dfrac{7}{10}$

4. Which is greater?
    (i) 0.5 or 0.05
    (ii) 0.7 or 0.5

5. Organise the following marks in a class assessment, in a tabular form:

    4, 6, 7, 5, 3, 5, 4, 5, 2, 6, 2, 5, 1, 9, 6, 5, 8, 4, 6,7
    (i) Which number is the highest?
    (ii) Which number is the lowest?
    (iii) What is the range of the data?
    (iv) Find the arithmetic mean?

6. Number of children in six different classes are given below. Represent the data on a bar graph.

| Class | Number of Childrens |
|---|---|
| Fifth | 135 |
| Sixth | 120 |
| Seventh | 95 |
| Eighth | 100 |
| Ninth | 90 |
| Tenth | 80 |

(a) How would you choose a scale?
(b) Answer the following questions :
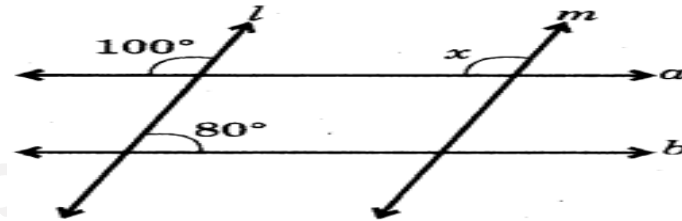(i) Which class has the maximum number of children? And the minimum?
(ii) Find the ratio of the students of class sixth to the students of class eighth.

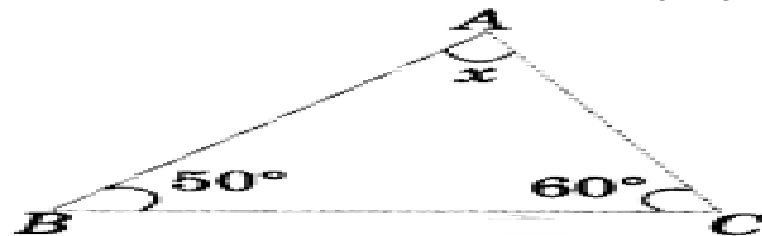7. Check whether the value given in the brackets is a solution to the given equation or not:

8. Solve the following equations:
    (a) $2(x + 4) = 12$
    (b) $3(n - 5) = 21$

9. Find the value of * in each of the following figures, if l || m:



10. Find the value of the unknown x in the following diagrams:



11. Find the ratio of:
    (a) ₹ 5 to 50 paise          (b) 15 kg to 210 g

12. Find the value of:

    (i) $(-4) \div \dfrac{2}{3}$          (ii) $\dfrac{-3}{5} \div 2$