

School Name -----

Half Yearly Examination

Session – 2025-26

Class – 7

Subject – Maths

M.M.

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) $\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$
- (ii) $\frac{1}{5}, \frac{3}{7}, \frac{7}{10}$

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 :

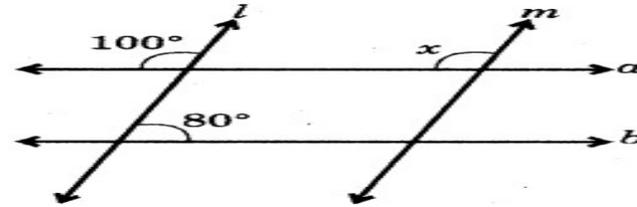
- (i) Which class has the maximum number of children? And the minimum?
- (ii) Find the ratio of the students of class sixth to the students of class eighth.

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

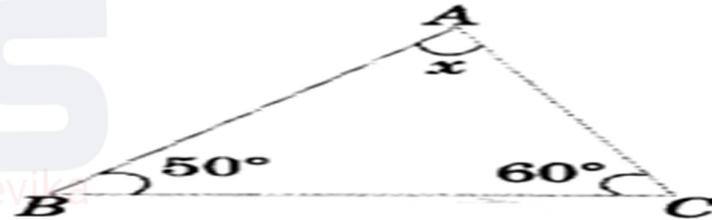
8. Solve the following equations:

- (a) $2(x + 4) = 12$
- (b) $3(n - 5) = 21$

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



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