I: 1 MARK QUESTIONS

1. The product of 3 X (-1) is_____
2. For any Integer a, (-1) X a = _____
3. $4 \times \frac{1}{5}$ = _____
4. $2 \times \frac{1}{3}$ = _____
5. 153.7 X 10 =_____
6. 36.8 X 10 = _____
7. The mode of 35,32,35,32,38,32,34 is _____
8. The mean of first five whole numbers is _____
9. The Median of 6,4,3,8,9,12,13 when arranged in ascending order is

_____
10. The mean of 4, 6, 8, 3, 12, 13, 10 is _____
11. An equation has two sides, _____ and _____
12. . The value of the variable which satisfies an equation is called its _____.
13. When the sum of two angles is 90^0. The angles are called _____ angles
14. The _____ elements of a triangle are its 3 sides and 3 angles.
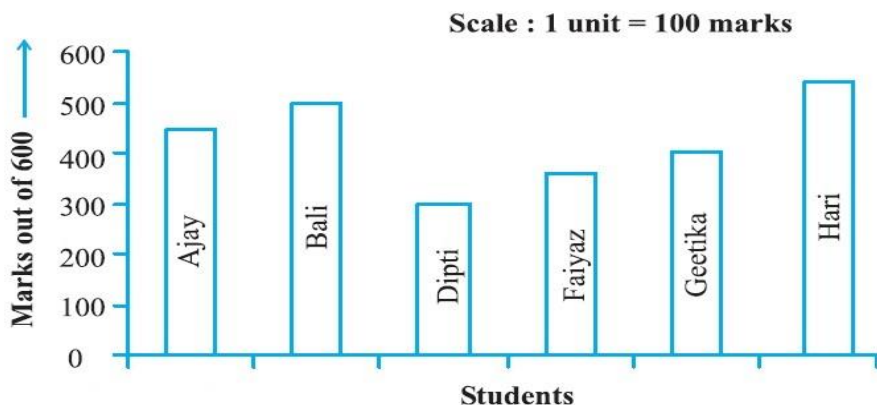15. If **x +3 = 0** then **x =** _____

II: 2 MARKS QUESTIONS

1. An elevator descends into mine shaft at the rate of 6 m/min. If the descent starts from 10 m above the ground level, how long will it take to reach -350m.
2. The temperature 12 noon was 10^0C above zero. If it decreases at the rate of 2^0C per hour until midnight, at what time would the temperature be 8^0C below zero?
3. Evaluate the following
a) 50 ÷ (-5)   b) (-36) ÷ (-9)
4. Evaluate the following
a) (-30) ÷ 10   b) (-49) ÷ (49)
5. Find $\frac{1}{2}$ of
a) 24   b) 46
6. Find $\frac{2}{3}$ of
a) 18   b) 27
7. Find $\frac{4}{9} \div \frac{2}{3}$
8. Find $\frac{2}{5} \div \frac{1}{2}$
9. The scores in mathematics test (out of 25) of 15 students is as follows. Find the mode and median of this data. 19, 25, 23,20,20,15,10,16,25,20,24,12,20,19, 15
10. The weights (in Kg) of 15 students of a class are:
38,42,35,37,45,50,32,43,43,40,36,38,43,38,47. Find the mode and median of this data.
11. Solve the given equation   10p + 10 =100
12. Solve the given equation   10p =100
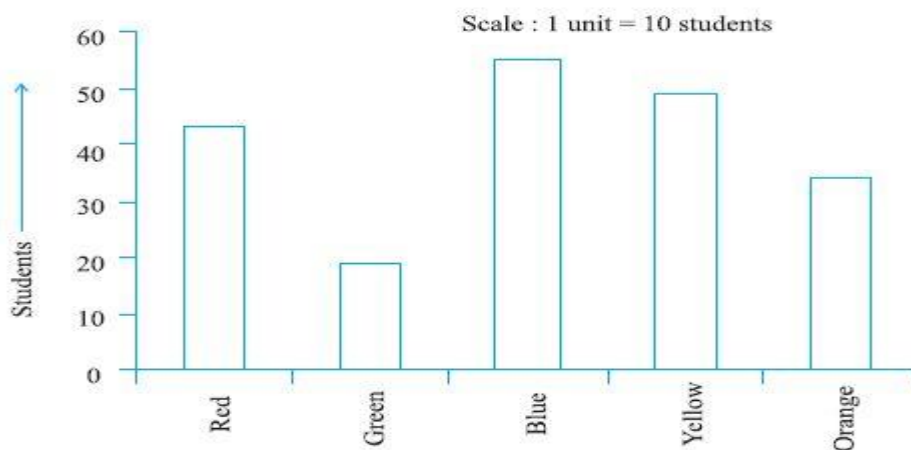
13. Complete the last column of the table.

S.No	Equation	Value	Say (Yes/No)
A	x+ 3 = 0	x = 3	
B	5x = 25	x = 5	
C	x – 7 =1	x = 7	
D	5x = 25	x = 0	

14. Look at the bar graph and fill in the table

Scale : 1 unit = 100 marks

Students	Ajay	Bali	Dipti	Faiyaz	Geetika	Hari
Marks obtained				360		540

15. Look at the bar graph and fill in the table

Scale : 1 unit = 10 students

Favourite Colours	Red	Green	Blue	Yellow	Orange
Number of Students	45				

16. Find the complement of each of the following angles.
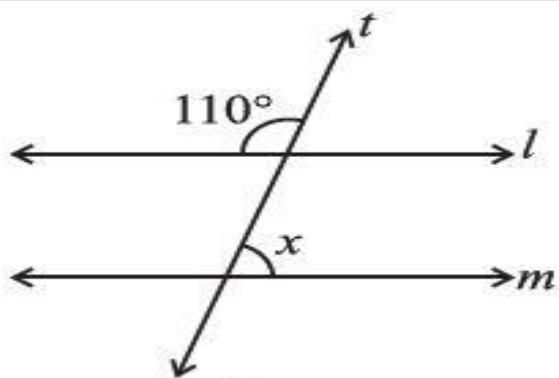a) 20^0 b) 63^0

17. Find the complement of each of the following angles.
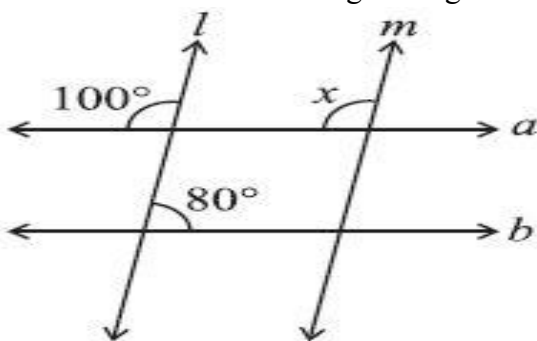a) 35^0 b) 57^0

18. Find the value of x in the given figure if l = m

19. Find the value of x in the given figure if l = m
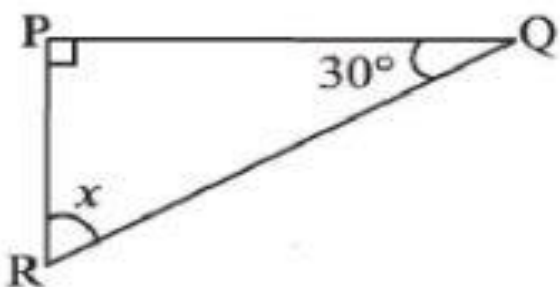

20. In ▲PQR, D is the midpoint of QR.

PM is _____

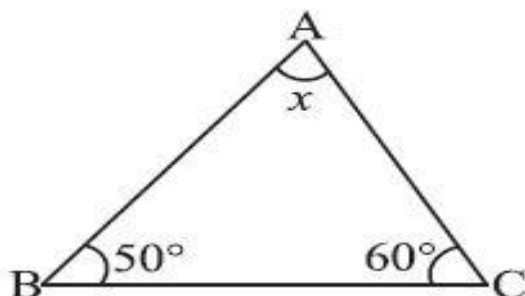PD is _____

21. In ▲ABC, D is the midpoint of BC.

AM is _____

AD is _____

22. Find the value of the unknown x in the given diagram.

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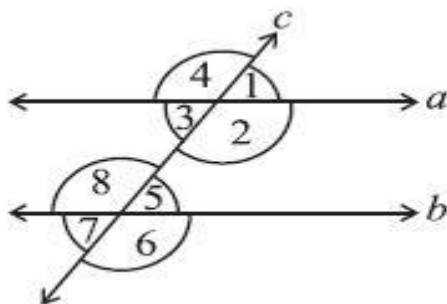
III: 3 MARKS QUESTIONS.

1. Define Mean, Median and Mode.
2. Define Natural numbers, Whole numbers and Integers.
3. Number of children in six different classes are given. Represent the data on a bar graph.

Class	Fifth	Sixth	Seventh	Eighth	Ninth	Tenth
Number of Children	130	120	100	100	90	80

4. Favourite colours of the children are given. Represent the data on a bar graph.

Favourite Colours	Red	Green	Blue	Yellow	Orange
Number of Students	45	20	55	50	35

5. In the adjoining figure, identify
   a) the pairs of corresponding angles.
   b) The pairs of alternate interior angles.
   c) The vertically opposite angles

6. In the adjoining figure, p ∥ q. Find the unknown angles.