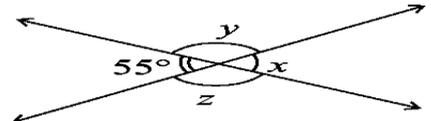


9. The value of 43.07×100 is
 (a) 4.307 (b) 4307 (c) 43.07 (d) 430.7
10. Which of the following statement is true
 (a) $7 - 4 = 4 - 7$ (b) $7 - 4 > 4 - 7$ (c) $7 - 4 < 4 - 7$ (d) $7 - 4 = -3$

SECTION – B 6 X 2 = 12 marks

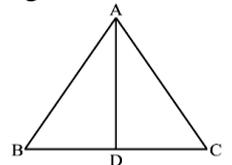
1. Solve: i) $12p - 5 = 25$ ii) $\frac{3p}{4} = 9$
2. Find the values of the angles x , y , and z in the given figure:
3. How many $\frac{2}{3}$ kg pieces can be cut from a cake of weight 4 kg?
4. Find: (a) $(-36) \div (-4)$ (b) $(-201) \div (-3)$



OR

Find the product, using suitable properties: $26 \times (-48) + (-48) \times (-36)$

5. If $\triangle ABC \cong \triangle FED$ under the correspondence $ABC \leftrightarrow FED$, write all the corresponding Congruent parts of the triangles.

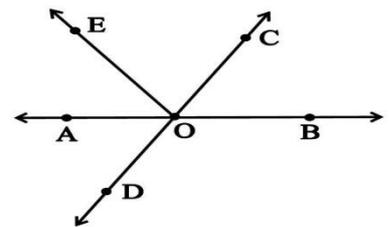


6. $\triangle ABC$ is right-angled at C. If AC = 5 cm and BC = 12 cm find the length of AB.

SECTION – C 8 X 3 = 24 marks

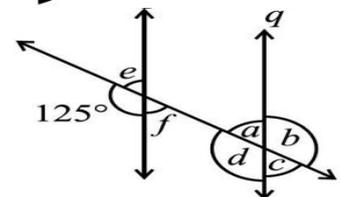
1. The runs scored in a cricket match by 11 players is as follows: 6, 15, 120, 50, 100, 80, 10, 15, 8, 10, 15
 Find the mean, mode and median of this data.

2. In the adjoining figure, identify:
 a. Five pairs of adjacent angles. (ii) Three linear pairs.
 (iii) Two pairs of vertically opposite angles.



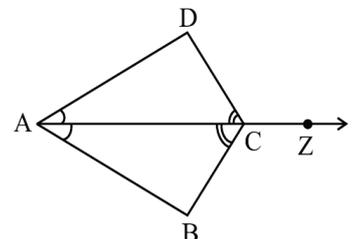
OR

In the adjoining figure, $p \parallel q$. Find the unknown angles.



3. In the below figure, $AB = AC$ and D is the mid-point of BC. Prove that
 (i) $\triangle ADB \cong \triangle ADC$ (ii) $\angle B = \angle C$

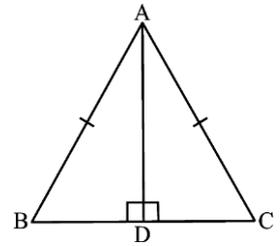
4. In the below figure, ray AZ bisects $\angle DAB$ as well as $\angle DCB$.
 a. State the three pairs of equal parts in triangles BAC and DAC.
 b. Is $\triangle BAC \cong \triangle DAC$? Give reasons.
 c. Is $AB = AD$? Justify your answer.



OR

In the below figure, ABC is an isosceles triangle with $AB = AC$ and AD is one of its altitudes.

- (i) State the three pairs of equal parts in $\triangle ADB$ and $\triangle ADC$.
- (ii) Is $\triangle ADB \cong \triangle ADC$? Why or why not?
- (iii) Is $\angle B = \angle C$? Why or why not?



5. Find $\frac{3}{4}$ of (i) 36 (ii) 64 (iii) 120

6. An article was sold for Rs 250 with a profit of 5%. What was its cost price?

7. Laxmi's father is 49 years old. He is 4 years older than three times Laxmi's age. What is the age of Laxmi?

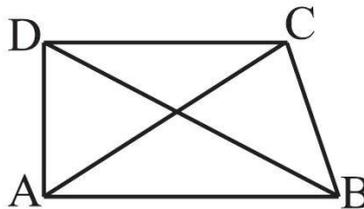
8. A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C every hour. What will be the room temperature 10 hours after the process begins?

SECTION – D 6 X 4 = 24 marks

1. A tree is broken at a height of 5 m from the ground and its top touches the ground at a distance of 12 m from the base of the tree. Find the original height of the tree.

OR

ABCD is a quadrilateral in which AC and BD are the diagonals (see below figure). Prove that $AB + BC + CD + DA > AC + BD$

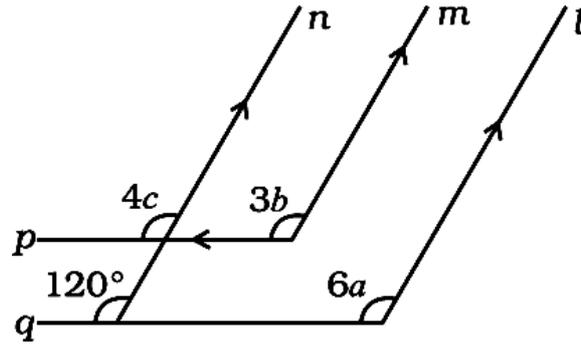


2. The performance of students in 1st Term and 2nd Term is given. Draw a double bar graph choosing appropriate scale and answer the following:

Subject	English	Hindi	Maths	Science	S.Science
1st Term (M.M. 100)	62	72	88	81	73
2nd Term (M.M. 100)	70	65	95	85	75

- a. In which subject, has the child improved his performance the most?
 - b. In which subject is the improvement the least?
 - c. Has the performance gone down in any subject?.
3. In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer. (i) Radhika answered all the questions and scored 30 marks though she got 10 correct answers. (ii) Jay also answered all the questions and scored (-12) marks though he got 4 correct answers. How many incorrect answers had they attempted?
4. Anita takes a loan of Rs 5,000 for donating books to the poor, at 15% per year as rate of interest. Find the interest she has to pay at end of three years.

5. In the below figure, l , m and n are parallel lines, and the lines p and q are also parallel. Find the values of a , b and c .



6. A man travelled two fifth of his journey by train, one-third by bus, one-fourth by car and the remaining 3 km on foot. What is the length of his total journey?

OR

A square and an equilateral triangle have a side in common. If side of triangle is $\frac{4}{3}$ cm long, find the perimeter of figure formed.

