

BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.
SEPTEMBER ASSIGNMENT
CLASS- VII (MATHEMATICS)

SECTION –A (MULTIPLE CHOICE QUESTIONS)

1. The solution of the equation $3n - 2 = 46$ is $n =$.
 (a) 12 (b) 11 (c) 16 (d) none of these
2. Which of the following statement is true
 (a) $7 \div 0 = 7$ (b) $7 \div 0 = 0$ (c) $7 \div 0 = 0 \div 7$ (d) $0 \div 7 = 0$
3. Assertion (A): The triangle is possible to form by three line segments of lengths 10cm, 12cm and 13cm.
 Reason (R): The sum of any two sides of a triangle is less than the third side.
 a) Both A and R are true and R is the correct explanation of A.
 b) Both A and R are true but R is not the correct explanation of A.
 c) A is true but R is false.
 d) A is false but R is true.

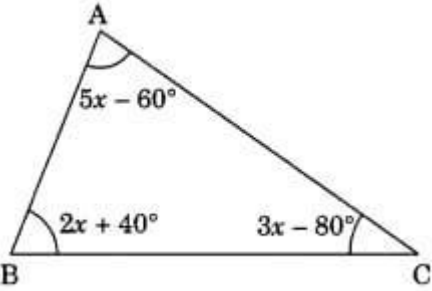
SECTION – B (2 MARKS QUESTIONS)

4. A plane is flying at the height of 5000 m above the sea level. At a particular point, it is exactly above a submarine floating 1200 m below the sea level. What is the vertical distance between?
5. Write any 3 rational numbers between -2 and 0 .

SECTION – C (3 MARKS QUESTIONS)

6. a) can these be the sides of a triangle?
 4.5 cm, 3.5 cm, 6.4 cm
 b) Find whether the following triplets are Pythagorean or not?
 (5, 8, 17)
7. a) Find the perimeter of given Rhombus whose diagonals are 42 cm and 40 cm.
 b) The two supplementary angles differ by 30° . Find the angles

SECTION – D (5 MARKS QUESTIONS)

8. Find value of x

9. a) Two sides of a triangle are 4 cm and 7 cm. What can be the length of its third side to make the triangle possible?
 b) Solve the following equations:
 $3(y - 2) = 2(y - 1) - 3$

SECTION – E (CASE STUDY)

10. A farmer has a rectangular field whose length is 40 cm and a diagonal is 41cm. He wants to fence his field with 2 round of wire.
 On the basis of above information find
 a) the breadth of the rectangular field
 b) the wire needed to fence the field
 c) Area of the rectangular field.