

Worksheet Grade 7A

Section A: Objective Questions (10 Marks)

(1 mark each)

Multiple Choice Questions

1. How many sides does a pentagon have?
 - ☐ A) 4
 - ☐ B) 5
 - ☐ C) 6
 - ☐ D) 7
2. A triangle with all sides equal is called:
 - ☐ A) Scalene triangle
 - ☐ B) Isosceles triangle
 - ☐ C) Equilateral triangle
 - ☐ D) Right triangle
3. The sum of the interior angles of a triangle is:
 - ☐ A) 90°
 - ☐ B) 180°
 - ☐ C) 270°
 - ☐ D) 360°
4. Which of the following is a quadrilateral?
 - ☐ A) Pentagon
 - ☐ B) Hexagon
 - ☐ C) Rectangle
 - ☐ D) Triangle
5. How many sides does a hexagon have?
 - ☐ A) 5
 - ☐ B) 6
 - ☐ C) 7
 - ☐ D) 8
6. Solve: ($x + 7 = 15$)
 - ☐ A) 6
 - ☐ B) 7
 - ☐ C) 8
 - ☐ D) 9
7. Solve: ($3x = 27$)
 - ☐ A) 7
 - ☐ B) 8
 - ☐ C) 9
 - ☐ D) 10
8. Which quadrilateral has exactly one pair of parallel sides?
 - ☐ A) Square
 - ☐ B) Rectangle
 - ☐ C) Parallelogram
 - ☐ D) Trapezium
9. Solve: ($x - 12 = 8$)
 - ☐ A) 18

- B) 20
 - C) 22
 - D) 24
10. A polygon with 8 sides is called:
- A) Octagon
 - B) Heptagon
 - C) Nonagon
 - D) Decagon
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Section B: Subjective Questions (10 Marks)

Q1. Triangles (2 Marks)

A triangle has angles 50° and 60° .

- a) Find the third angle. (1 mark)
 - b) Name the triangle according to its angles. (1 mark)
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Q2. Quadrilaterals and Polygons (2 Marks)

- a) State two properties of a rectangle. (1 mark)
 - b) How many sides and vertices does a heptagon have? (1 mark)
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Q3. Linear Equations (3 Marks)

Solve the following:

- a) $(x + 14 = 32)$ (1 mark)
 - b) $(5x = 45)$ (1 mark)
 - c) $(2x - 4 = 12)$ (1 mark)
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Q4. Word Problem (3 Marks)

Sara thinks of a number. When 9 is added to the number, the result is 28.

- a) Write a linear equation for the problem. (1 mark)

b) Find the number. (2 marks)
