

Maths

JHS 3 | Mathematics | First Term — 2025-2026 | Duration: 60 minutes | Total Marks: 96

Instructions:

SECTION A — MULTIPLE CHOICE QUESTIONS

1. Factorize $12ab + 16b$. (1 mark)
 - A. $4b(3a + 4)$
 - B. $4a(3b + 4)$
 - C. $4(3ab + 4b)$
 - D. $b(12a + 16)$
2. Solve the inequality $2x + 7 > 5/2$. (1 mark)
 - A. $x > -2.25$
 - B. $x > 2.25$
 - C. $x < -2.25$
 - D. $x > -9/4$
3. Solve the inequality $(1/2)(5x - 4) < x + 11/2$. (1 mark)
 - A. $x < 5$
 - B. $x > 5$
 - C. $x < 15$
 - D. $x > 15$
4. Graph the solution of $x \geq 4$ on a number line. (Conceptual) (1 mark)
 - A. Closed circle at 4 shading left
 - B. Open circle at 4 shading right
 - C. Closed circle at 4 shading right
 - D. Open circle at 4 shading left
5. A man has 260m of fencing for a rectangular field 50m wide. How long is the field? (1 mark)
 - A. 130m
 - B. 80m
 - C. 100m
 - D. 160m
6. A man paid GH?290 for 11 books. Geography books cost GH?30 and history books cost GH?20. How many geography books did he buy? (1 mark)
 - A. 5
 - B. 6
 - C. 7

D. 8

7. The sum of the interior angles of a hexagon (6 sides) is... (1 mark)

A. 540°

B. 720°

C. 900°

D. 360°

8. What is the formula for the sum of interior angles of an n-sided polygon? (1 mark)

A. $(n-2) \times 90$

B. $(n-2) \times 180$

C. $(n-1) \times 180$

D. $(n-1) \times 90$

9. Which of the following is NOT a parallelogram? (1 mark)

A. Square

B. Rectangle

C. Rhombus

D. Trapezium

10. What is the surface area of a cuboid of length 5cm (1 mark)

A. width 3cm

B. and height 2cm?

C. 62 cm^2

D. 30 cm^2