GRADE 5 HBC MATHEMATICS **TOPIC 3: MEASURES – PERIMETER**

Wednesday 26 August 2026

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1. Fill in the blanks with the correct word or formula.

(a) Perimeter is the total _____ around the outside of a shape.

(b) To find the perimeter of a shape, you _____ all the sides.

(c) The formula for the perimeter of a square is P = _____.

(d) The formula for the perimeter of a rectangle is P = _____.

2. Write **TRUE** or **FALSE** for each statement.

(a) Perimeter is measured in square units. _____

(b) A square has four equal sides. _____

(c) To find the perimeter of a rectangle, you add the length and width only once. _____

(d) The perimeter of a shape is always equal to the sum of all its sides. _____

3. Explain in your own words why a farmer needs to know the perimeter of a field before putting up a fence.

4. A rectangle has a length of **12 cm** and a width of **7 cm**.

(a) Write the formula for finding the perimeter of a rectangle.

Answer: P = _____

(b) Calculate the perimeter of the rectangle.

Answer: _____ cm

(c) Show your working below.

5. Calculate the perimeter of each shape.

(a) A square with a side of **9 cm**.
Answer: _____ cm

(b) A rectangle with length **15 m** and width **10 m**.
Answer: _____ m

(c) A triangle with sides **5 cm**, **6 cm**, and **7 cm**.
Answer: _____ cm

6. A rectangular garden in Harare has a length of **20 m** and a width of **14 m**.

(a) What is the perimeter of the garden?
Answer: _____ m

(b) The owner wants to put a fence around the garden. If fencing wire costs $3 per metre, how much will the fencing cost?

Answer: _____

(c) Show your working for part (b).

7. A kite has two sides of **8 cm** each and two sides of **12 cm** each.

(a) Calculate the perimeter of the kite.
Answer: _____ cm

(b) Show your working.

8. A school field is in the shape of a rectangle. Its length is **50 m** and its width is **30 m**. A path runs around the outside of the field.

(a) Calculate the perimeter of the field.
Answer: _____ m

(b) If a learner runs around the field **3 times**, how far does the learner run in total?

Answer: _____ m

(c) Show your working for part (b).

9. Two rectangular plots are available for a community garden in Bulawayo:

- **Plot A:** Length = 25 m, Width = 15 m
- **Plot B:** Length = 20 m, Width = 20 m

(a) Calculate the perimeter of Plot A.

Answer: _____ m

(b) Calculate the perimeter of Plot B.

Answer: _____ m

(c) Which plot needs more fencing material? Justify your answer.

10. Design a simple problem about perimeter for a rectangular vegetable garden at a school in Gweru. Write the problem and then solve it.

Your problem:

Solution: