

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

- (a) Area is the amount of _____ inside a flat shape.
- (b) Area is measured in _____ units.
- (c) The formula for the area of a square is $A = \text{_____}$.
- (d) The formula for the area of a rectangle is $A = \text{_____}$.
- (e) The formula for the area of a triangle is $A = \text{_____}$.

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

- (a) Area is measured in square units. _____
- (b) To find the area of a square, you add all four sides. _____
- (c) The area of a rectangle is found by multiplying length by width. _____
- (d) To find the area of a triangle, you multiply base by height and divide by 2. _____

3. A rectangle is drawn on a grid. It covers **20 full squares** and **4 half squares**.

- (a) How many full squares do the half squares make?

Answer: _____ full squares

- (b) What is the total estimated area of the rectangle in square units?

Answer: _____ square units

- (c) Show your working below.

4. Explain in your own words the difference between using **non-standard units** and **standard units** to measure area. Give one example of each.

5. Calculate the area of each shape.

- (a) A square with side **7 cm**.

Answer: _____ cm^2

(b) A rectangle with length **12 cm** and width **5 cm**.

Answer: _____ cm^2

(c) A triangle with base **10 cm** and height **6 cm**.

Answer: _____ cm^2

6. A rectangular classroom floor in a school in Mutare has a length of **8 m** and a width of **6 m**.

(a) Calculate the area of the classroom floor.

Answer: _____ m^2

(b) If one tile covers **1 m^2** , how many tiles are needed to cover the whole floor?

Answer: _____ tiles

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

7. A square garden in Bulawayo has a side of **9 m**.

(a) Calculate the area of the garden.

Answer: _____ m^2

(b) If the owner wants to plant grass, and grass costs \$4 per square metre. How much will it cost to cover the whole garden?

Answer: _____

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

8. A triangular piece of land has a base of **20 m** and a height of **10 m**.

(a) Calculate the area of the triangular piece of land.

Answer: _____ m^2

(b) A rectangular piece of land has a length of **20 m** and a width of **10 m**. Calculate its area.

Answer: _____ m^2

(c) How many times bigger is the rectangular piece of land than the triangular piece of land?

Answer: _____ times

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

9. Two walls need to be painted in a house in Harare:

- **Wall A:** A rectangle with length 6 m and width 3 m.
- **Wall B:** A square with side 4 m.

(a) Calculate the area of Wall A.

Answer: _____ m²

(b) Calculate the area of Wall B.

Answer: _____ m²

(c) Which wall needs more paint? Justify your answer.

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

Your problem:

Solution: