Subject:	Mathematics
Level:	Standard Four
Strand:	Measurement
Торіс:	Area

Key Points:

- 4 Area is the measurement of the enclosed surface of a shape.
- 4 Area tells the amount of space that a shape covers.
- Square units such as square centimetre (cm²), square metre (m²) and square kilometre (km²) are used to record area of a shape.
- $4 \qquad \text{Area of a square} = \mathbf{S} \times \mathbf{S} \text{ or } \mathbf{S}^2.$
- $4 \qquad \text{Area of a rectangle} = \mathbf{L} \times \mathbf{W}.$

Here are some examples.

EXAMPLE 1:



In the red square above, the length is of each side is 3 cm.

To calculate the area of the red square, use the formula Side \times Side or Side².

Area = $\mathbf{S} \times \mathbf{S}$

 $= 3 \text{ cm} \times 3 \text{ cm}$ $= 9 \text{ cm}^2$

EXAMPLE 2:



In the green rectangle above, the length is 6 cm and the width is 4 cm.

To calculate the area of the green rectangle, use the formula Length \times Width.

Area = $L \times W$

$$= 6 \text{ cm} \times 4 \text{ cm}$$

$$= 24 \text{ cm}^2$$

PRACTICE EXERCISE

For each shape below, not drawn to scale, calculate its area.



ANSWERS

For each shape below, not drawn to scale, calculate its area.

