

QT Area of Compound Shapes

1. Work out the area of the shape.

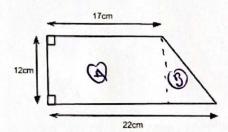


Diagram NOT drawn accurately.

- A = 17 170 170 170
- B bxh
 = 5x12 = 60
 2

TOTAL = A+B = LOY + 30 = 234 cm²

2. The diagram shows the plan of a field. A farmer would like to plant some wheat. He calculates that the cost of planting the seed is £2 per square metre. How much will it cost for the farmer to plant the whole field with wheat seed?

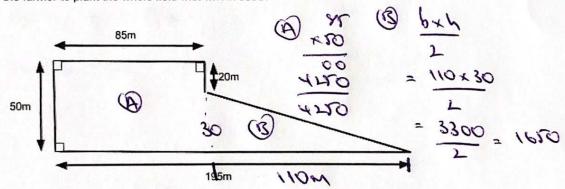


Diagram NOT drawn accurately.

11800 Seed = x 2 11800

€11800

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Grade 3 ish



3. The diagram shows a plastic piece for a toy car. Work out the area of the shaded region.

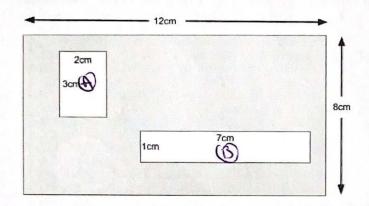
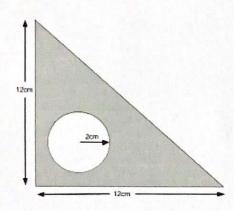


Diagram NOT drawn accurately.

Area =
$$12 + 8$$
 = 96 cm
 $9 = 2 \times 3$ = 6 cm
 $9 = 7 \times 1$ = 7 cm



4. The diagram shows a circle inside a triangle. The circle has a radius of 2cm. The triangle has a base of 12cm and a height of 12cm. Work out the area of the shaded region shown in the diagram. Give your answer correct to 1 decimal place.



Area of triangle =
$$\frac{b \times h}{2}$$

$$= \frac{12 \times 12}{2}$$

$$= 72 \text{ cm}^2$$
Area of circle = $\pi \Gamma^2$

Diagram NOT drawn accurately.

= T(2)2