

Area of rectangles and irregular shapes

Year 5 · Geometry · y5-geo-area-rect

Name: _____

Date: _____

Class: _____

Score: ____ / ____

Instructions

Answer every question in Practice. Try the Challenge section once Practice is complete. 10 questions in total.

Practice

1. A rectangle has length 9 cm and width 6 cm. What is its area?



2. A rectangle has length 12 cm and width 8 cm. What is its area?



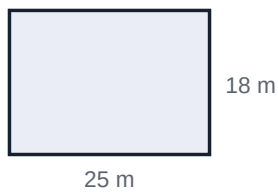
3. A rectangle has length 15 cm and width 9 cm. What is its area?



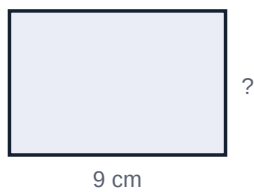
4. A rectangular carpet is 11 m long and 7 m wide. What is the area of the carpet?



5. A rectangular field is 25 m long and 18 m wide. What is the area of the field?



6. A rectangle has an area of 72 cm^2 and a length of 9 cm. What is its width?



7. A rectangle has an area of 117 cm^2 and a width of 9 cm. What is its length?



8. A rectangle is 14 cm long and 9 cm wide. A student says the area is $14 + 9 = 23 \text{ cm}^2$. What is the correct area?



Challenge

1. Shape A covers 26 full squares and 4 half squares on a centimetre-square grid. Shape B covers 23 full squares and 10 half squares. Which shape has the greater estimated area?
2. An irregular shape on a centimetre-square grid covers 23 full squares and 9 half squares. What is its estimated area?