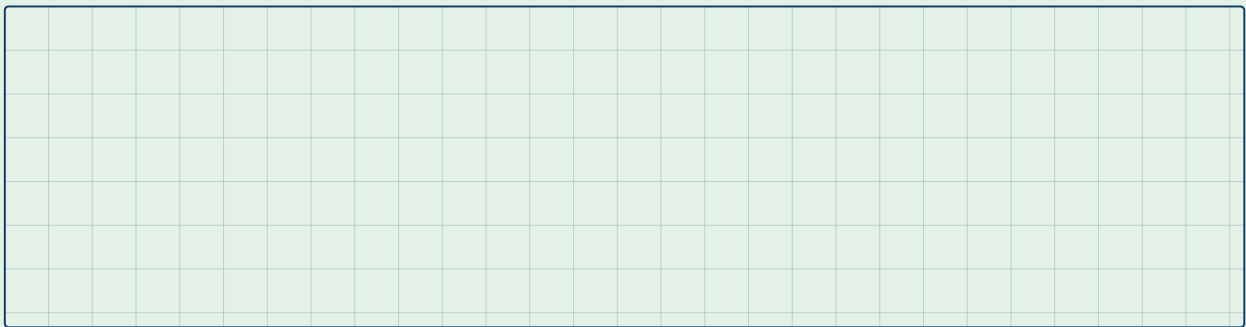


AREA OF A ROOF TRIANGLE

- 1 A builder needs the area of a triangular roof piece with base 5 cm and perpendicular height 4 cm.
- 2 Write the formula: $\text{area} = \frac{1}{2} \times \text{base} \times \text{height}$.
- 3 Substitute the numbers: $\frac{1}{2} \times 5 \times 4$.
- 4 First multiply $5 \times 4 = 20$.
- 5 Then take half of 20 to get 10.
- 6 The area is 10 cm².

WARM-UP

On the squared paper draw each triangle using the given base and height in squares, then write the area beside it.



1. Draw a triangle with base 9 squares and perpendicular height 2 squares and write its area
2. Draw a triangle with base 12 squares and perpendicular height 3 squares and write its area
3. Draw a triangle with base 6 squares and perpendicular height 8 squares and write its area

PRACTICE

- 1 A wooden ramp triangle for a model house has base 4 cm and height 6 cm. Find the area.
- 2 A triangular gable end on a model shed has base 7 cm and height 4 cm. What is the area?

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. The area of a triangle is half the area of a rectangle with the same base and height ☐
- b. The height of a triangle is measured along the slanting side ☐
- c. A triangle with base 8 cm and height 5 cm has area 20 cm² ☐
- d. A triangle with a base of 5 cm has an area of 10 cm². ☐