Primary Practice Questions

Area of a Triangle

Tips
• Read each question carefully
• Attempt every question.
• Check your answers seem right.
• Always show your workings

Recap

Remember
• There are daily questions found at
  www.corbettmaths.com/5-a-day/primary
1. Work out the area of this triangle

\[ \text{Area} = \frac{1}{2} \times 4 \text{ cm} \times 4 \text{ cm} = 8 \text{ cm}^2 \]

2. Work out the area of this triangle

\[ \text{Area} = \frac{1}{2} \times 4 \text{ cm} \times 2 \text{ cm} = 4 \text{ cm}^2 \]
3. Here are five triangles on a square grid.

Four of the triangles have the same area

Which triangle has a different area?
4. Work out the area of this triangle

Work out the area of this triangle

5. Work out the area of this triangle

Work out the area of this triangle
6. **Work out the area of this triangle**

   - Base: 8 cm
   - Height: 6 cm
   - Hypotenuse: 10 cm

   \[ \text{Area} = \frac{1}{2} \times \text{base} \times \text{height} = \frac{1}{2} \times 8 \times 6 = 24 \text{ cm}^2 \]

7. **Work out the area of this triangle**

   - Base: 4 cm
   - Height: 6 cm

   \[ \text{Area} = \frac{1}{2} \times \text{base} \times \text{height} = \frac{1}{2} \times 4 \times 6 = 12 \text{ cm}^2 \]
8. Work out the area of this triangle

\[ \text{Area} = \frac{1}{2} \times \text{base} \times \text{height} = \frac{1}{2} \times 14 \text{cm} \times 5 \text{cm} \]

\[ = 35 \text{cm}^2 \]

9. Work out the area of this triangle

\[ \text{Area} = \frac{1}{2} \times \text{base} \times \text{height} = \frac{1}{2} \times 18 \text{m} \times 20 \text{m} \]

\[ = 180 \text{m}^2 \]
10. Thomas has a square garden with a triangular pond.

Find the area of the garden that is grass

\[ \text{Area of the garden} = 6 \times 4 - \frac{1}{2} \times 3 \times 4 \]

\[ m^2 \]
11. Here is a right-angled triangle and a rectangle.

The area of the triangle is equal to the area of the rectangle.

Work out the length of the rectangle

\[ \text{cm} \]
12. The area of the triangle is $30\text{cm}^2$

Work out the height of the triangle

10cm

height

cm