Finding the Area of Rectangles and Squares

1. [Diagram of a square with sides labeled 4 cm, 4 cm, and 8 cm]

2. [Diagram of a square with sides labeled 4 cm, 4 cm, and 6 cm]

3. [Diagram of a rectangle with sides labeled 4 cm, 8 cm, 8 cm, and 10 cm]

4. [Diagram of a rectangle with sides labeled 6 cm, 4 cm, 6 cm, and 4 cm]

5. [Diagram of a rectangle with sides labeled 8 cm, 10 cm, 8 cm, and 10 cm]

6. [Diagram of a rectangle with sides labeled 3 cm, 9 cm, 3 cm, and 9 cm]

7. [Diagram of a rectangle with sides labeled 11 cm, 11 cm, 5 cm, and 6 cm]

Challenge

[Diagram of a rectangle with sides labeled 9 cm, 9 cm, and 6 cm]
Finding the Area of Rectangles and Squares

1. \[ \text{Area} = 14 \times 18 \, \text{cm}^2 \]

2. \[ \text{Area} = 17 \times 16 \, \text{cm}^2 \]

3. \[ \text{Area} = 14 \times 18 \, \text{cm}^2 \]

4. \[ \text{Area} = 17 \times 16 \, \text{cm}^2 \]

5. \[ \text{Area} = 8 \times 12 \, \text{cm}^2 \]

6. \[ \text{Area} = 9 \times 31 \, \text{cm}^2 \]

7. \[ \text{Area} = 5 \times 11 \, \text{cm}^2 \]

Challenge

The area of a square is \(25 \, \text{cm}^2\).

What is its perimeter?
Finding the Area of 2D shapes

1. \[\text{14cm} \times \text{44cm} = \text{616cm}^2\]

2. \[\text{18cm} \times \text{58cm} = \text{1044cm}^2\]

3. \[\text{8cm} \times \text{18cm} = \text{144cm}^2\]

4. \[\text{7cm} \times \text{3cm} = \text{21cm}^2\]

5. \[\text{6cm} \times \text{8cm} = \text{48cm}^2\]

6. \[\text{16cm} \times \text{32cm} = \text{512cm}^2\]

Challenge

A rectangle has an area of \(32\text{cm}^2\).
What are its possible dimensions?
Finding the Area of 2D and Compound Shapes

1. \[ \text{Area} = \frac{1}{2} \times 23 \times 5 \]

2. \[ \text{Area} = 12 \times 6 + 5 \times 12 \]

3. \[ \text{Area} = 14 \times 24 + 38 \times 16 + 16 \times 38 \]

4. \[ \text{Area} = 34 \times 5 + 8 \times 16 \]

5. \[ \text{Area} = 21 \times 78 \]

6. \[ \text{Area} = 5.2 \times 2.1 + 2.5 \times 1.5 + 1.2 \times 2.1 \]

Challenge

\[ \text{Area} = 14 \times 5 + 14 \times 6 + 14 \times 5 \]