

# Expert 2D Shape Drawing Extra Challenge

I can draw 2D shapes using given dimensions and angles.



Use the given dimensions to draw the 2D shapes:

1. Accurately draw a square with a perimeter of 18cm. Measure and label the lengths and angles.

2. Accurately draw a rhombus with diagonally opposite angles and a perimeter of 10cm. Measure and label the lengths and angles.

3. Draw an equilateral triangle with a perimeter of 10.5cm. Measure and label the lengths and angles.

4. Draw an isosceles triangle with a perimeter of 8.5cm. Measure and label the lengths and angles.

5. How many rectangles can be drawn that have an area of 10 cm<sup>2</sup>?

6. How many rectangles can be drawn that have a perimeter of 10 cm?

# Expert 2D Shape Drawing Extra Challenge **Answers**

1.	Accurately draw a square with a perimeter of 18cm. Measure and label the lengths and angles.
Answer:	Square lengths of 4.5cm, angles $90^\circ$ .
2.	Accurately draw a rhombus with diagonally opposite angles and a perimeter of 10cm. Measure and label the lengths and angles.
Answer:	Rhombus lengths of 2.5cm, angles diagonally opposite.
3.	Draw an equilateral triangle with a perimeter of 10.5cm. Measure and label the lengths and angles.
Answer:	Triangle lengths of 3.5cm, angles $60^\circ$ .
4.	Draw an isosceles triangle with a long edge of 5cm. Measure and label the lengths and angles.
Answer:	Isosceles triangle lengths of 5cm, 3.5 cm, 3.5cm, angles $45^\circ$ , $45^\circ$ and $90^\circ$ .
5.	How many rectangles can be drawn that have an area of 10 cm <sup>2</sup> ?
Answer:	1cm x 10cm 2cm x 5cm 4cm x 2.5cm
6.	How many rectangles can be drawn that have a perimeter of 10 cm?
Answer:	0.5cm x 4.5cm 1cm x 4cm 1.5cm x 3.5cm 2cm x 3cm