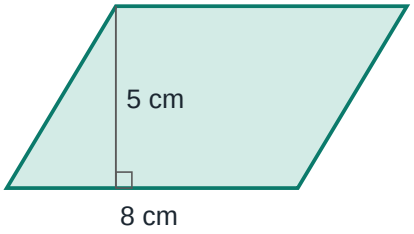
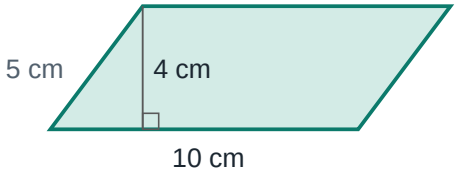
Area of a parallelogram worksheet

Year 6. Area of a parallelogram = base × perpendicular height. Some shapes also show the sloping side: you do not need it.

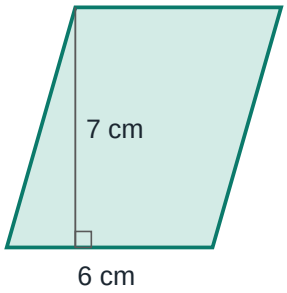
Name: _____ Date: _____

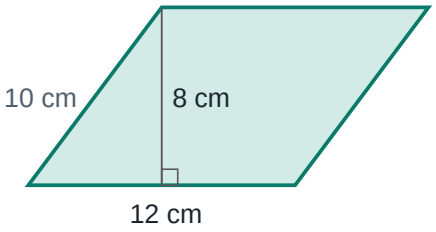
Part A. Find the area of each parallelogram in cm².





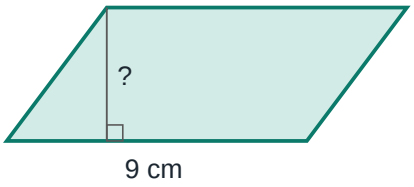
Area = _____ Area = _____

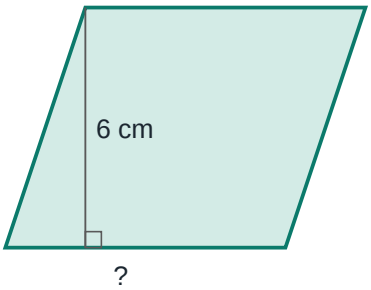




Area = _____ Area = _____

Part B. Missing lengths.





Area 36 cm². Height = _____ Area 42 cm². Base = _____

Part C. Problems.

1. A parallelogram has a base of 15 cm and a height of 6 cm. What is its area?

_____

2. A triangle and a parallelogram have the same base (8 cm) and height (5 cm). What is the difference in area?

_____

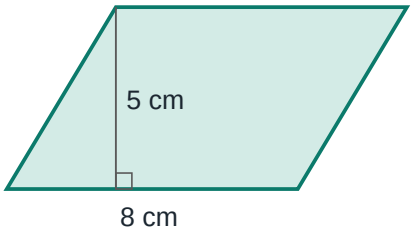
3. A parallelogram has an area of 48 cm² and a base of 12 cm. What is its height?

_____

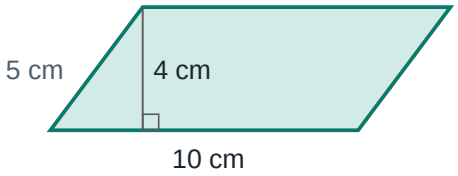
Answer key: Area of a parallelogram

Answers to every question on page 1.

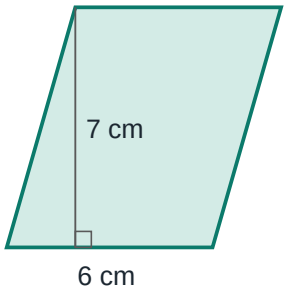
Part A. Find the area of each parallelogram in cm².



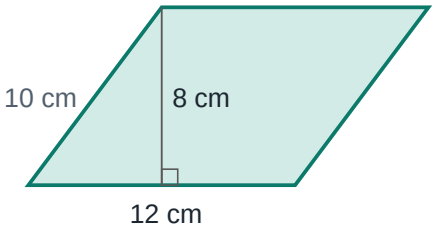
Area = **40 cm²**



Area = **40 cm²**

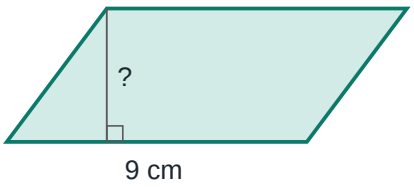


Area = **42 cm²**

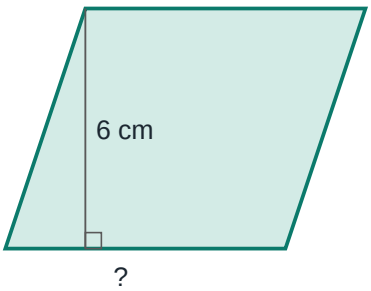


Area = **96 cm²**

Part B. Missing lengths.



Area 36 cm². Height = **4 cm**



Area 42 cm². Base = **7 cm**

Part C. Problems.

1. A parallelogram has a base of 15 cm and a height of 6 cm. What is its area?

90 cm²

2. A triangle and a parallelogram have the same base (8 cm) and height (5 cm). What is the difference in area?

20 cm²

3. A parallelogram has an area of 48 cm² and a base of 12 cm. What is its height?

4 cm