Name:

Exam Style Questions

Area of a Parallelogram

Corbettmaths

Equipment needed: Calculator, pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings
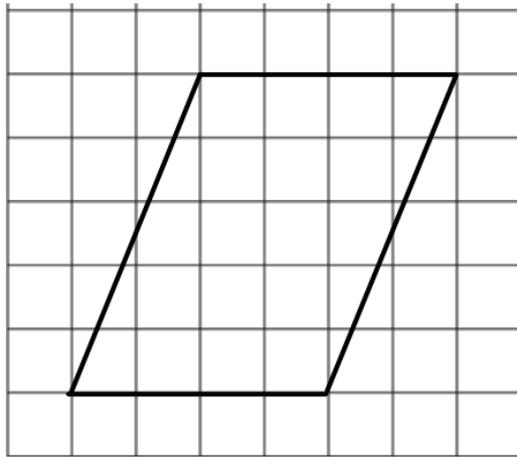
Video Tutorial

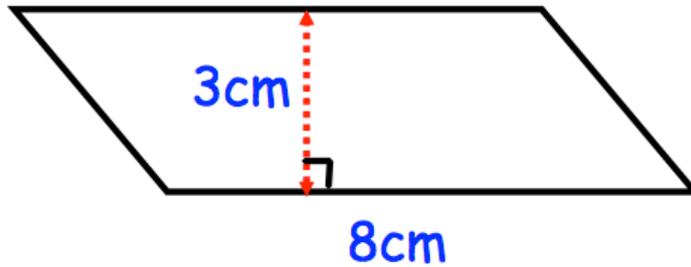www.corbettmaths.com/contents

Video 44

Answers and Video Solutions

1.   The diagram shows a parallelogram on a centimetre square gird.

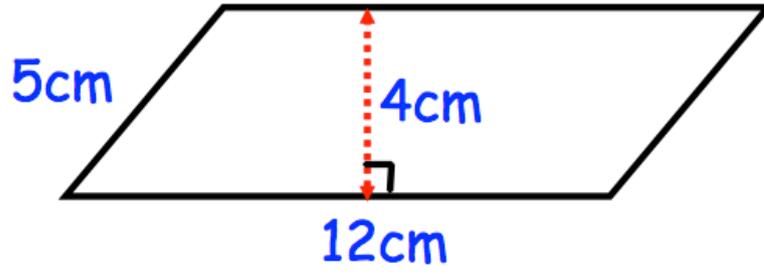Work out the area of the parallelogram.
State the units of your answer.

....

(3)

2.   Shown below is a parallelogram

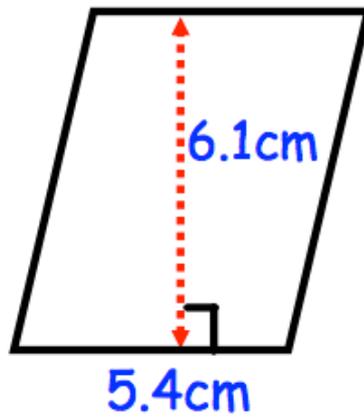Work out the area of the parallelogram.
State the units of your answer.

....

(3)

3.

5cm

4cm

12cm

Calculate the area of the parallelogram.

...........................cm²

(2)

4.

6.1cm

5.4cm

Work out the area of the parallelogram.

...........................cm²

(2)

5. This diagram shows a parallelogram.
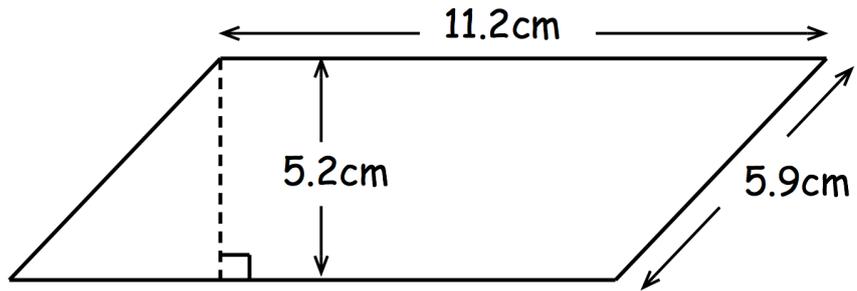
Calculate the area of this parallelogram.

..........................cm²

(2)

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6. This diagram shows a parallelogram.
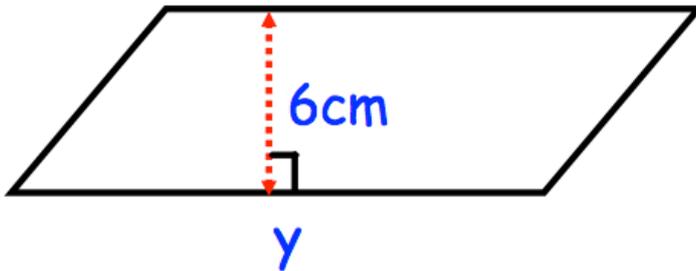
The area of the parallelogram is 54cm².

Find the length of the base, y.

.........................cm

(2)

7. Shown below are the points A, B and C on a centimetre square grid.
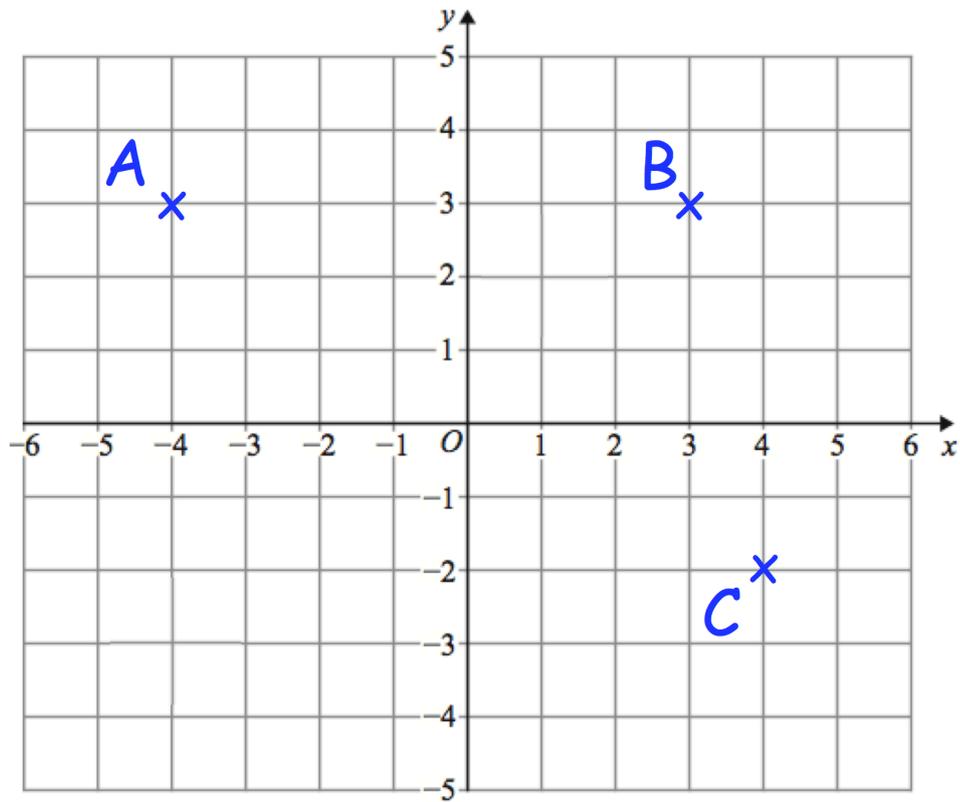
The point D is plotted so that ABCD is a parallelogram.
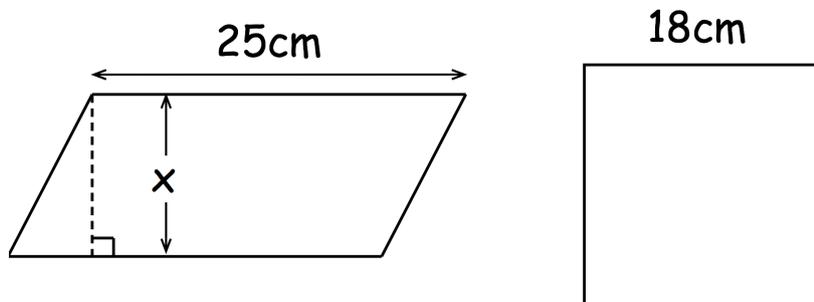
Find the area of the parallelogram.

.........................cm²

(3)

8.	The diagram shows a parallelogram that has perimeter 30cm.

6cm	5cm
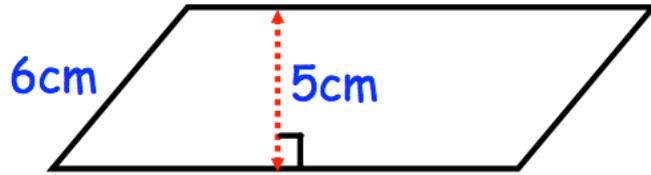
Calculate the area of the parallelogram.

..........................cm²

(4)

9.	Shown below is a parallelogram and a square.

25cm	18cm

x

The area of the square and parallelogram are equal.

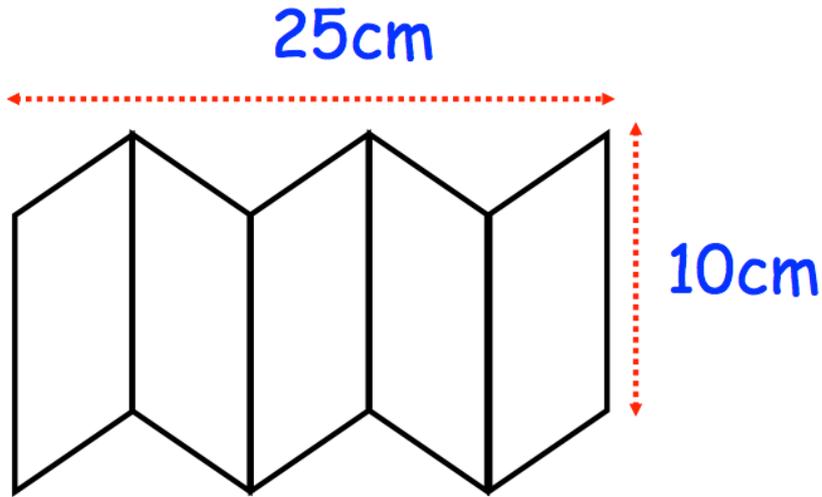Find the perpendicular height of the parallogram, x.

.........................cm

(3)

10. Dylan creates a logo by joining two congruent parallelograms.
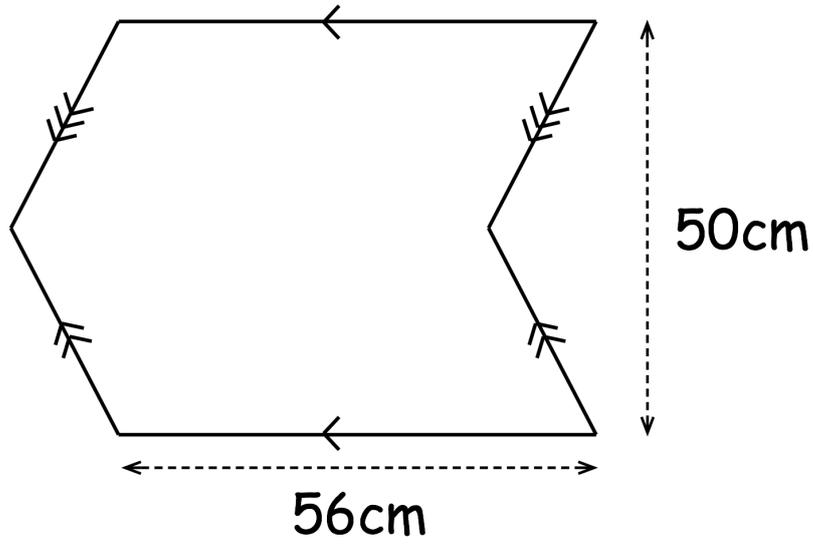
Find the area of the logo.

..........................cm²

(3)

11.

The diagram shows a logo that is made up of 5 identical parallelograms.

Find the area of one parallelogram.

..........................cm²

(3)

12. A shape is made from 4 congruent parallelograms.

y

14cm

6cm
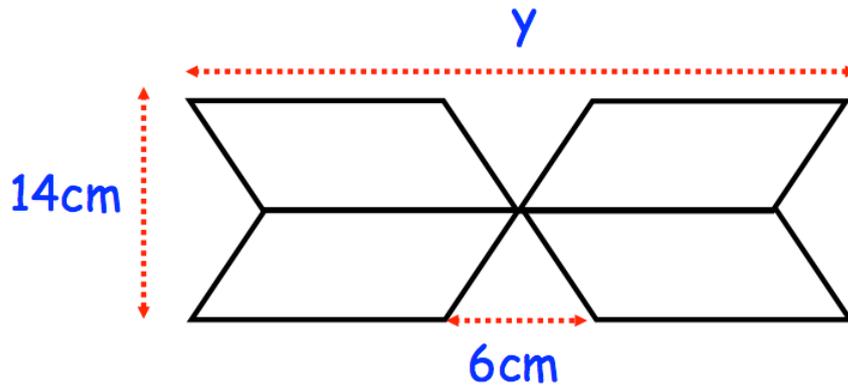
The area of the shape is 308cm².

Work out the length labelled y.

..........................cm

(5)

13. Below is a parallelogram with length x + 3 cm and perpendicular height of 4cm.

$$x + 3 \text{ cm}$$

4cm
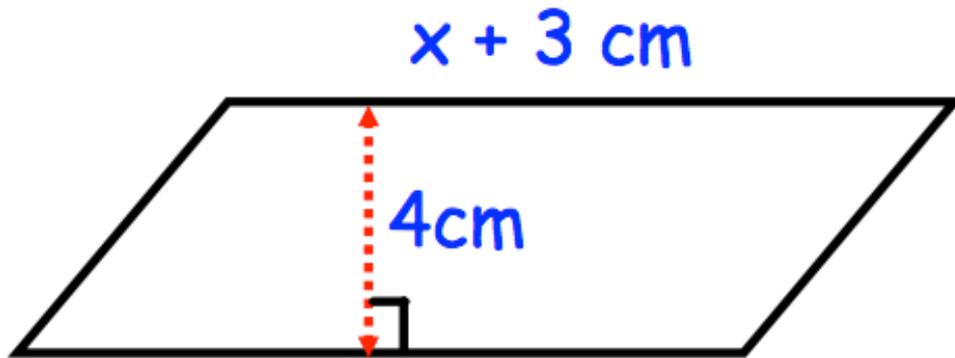
The area of the parallelogram is 30cm²

Find the size of x.

...........................cm

(4)