## Year 8 Measurement – Area of trapeziums

Calculate the area of the trapeziums below. Show all working out clearly.

I have provided an example for you to refer to.

Worked example:
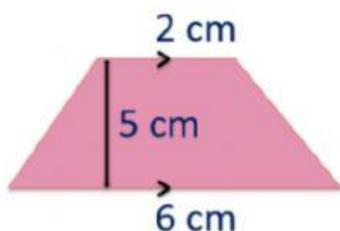
Working out:

Area of trapezium = (a + b) ÷ 2 x height

$$= (2 + 6) ÷ 2 \text{ x } 5$$

$$= 8 ÷ 2 \text{ x } 5$$

$$= 4 \text{ x } 5$$

$$= 20 \text{ cm}^2$$

Now, show me your understanding…
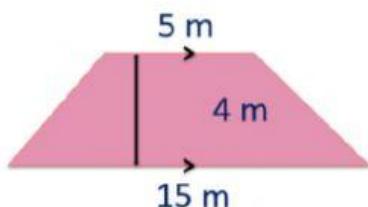
Working out:
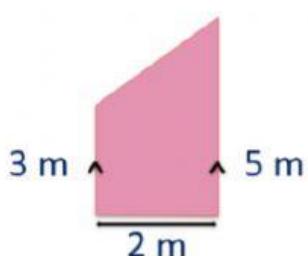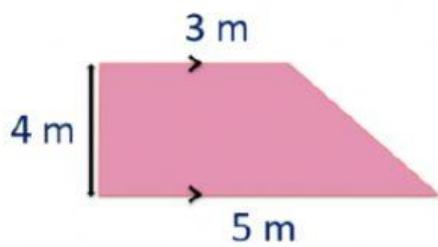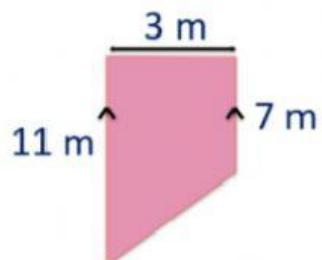
Area of trapezium = (a + b) ÷ 2 x height

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Working out:

Area of trapezium = (a + b) ÷ 2 x height

=

=

=

=

Figure 1

3 m

4 m

5 m

Working out:

Area of trapezium = (a + b) ÷ 2 x height

=

=

=

=

Figure 2

3 m

11 m

7 m

Working out:

Area of trapezium = (a + b) ÷ 2 x height

=

=

=

=

Figure 3

12 cm

10 cm

20 cm

Working out:

Area of trapezium = (a + b) ÷ 2 x height

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