

# Thursday

 <https://www.topmarks.co.uk/maths-games/daily10>

Starter

cm  $\longrightarrow$  m  $\div 100$

m  $\longrightarrow$  cm  $\times 100$

convert into m

50 cm

42cm

77cm

874cm

505cm

convert into cm

6m

8m

5.5m

8.3m

9.24m

28.1.21      XXVIII . I . XXI

WALT: calculate the perimeter of 2D shapes.

Steps to success:

Understand that perimeter is the distance around a 2D shape.

Be able to find the perimeter of a rectangle by using a formula.

$(2 \times L) + (2 \times B)$       or       $2 \times (L + B)$

Be able to find the missing measurement of a rectangle when the

perimeter is given.

Double the measurement of the side.

Subtract the result from the given perimeter.

Halve the result to find the length of the missing side.



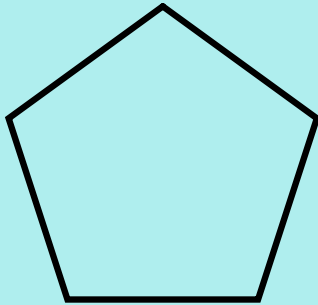
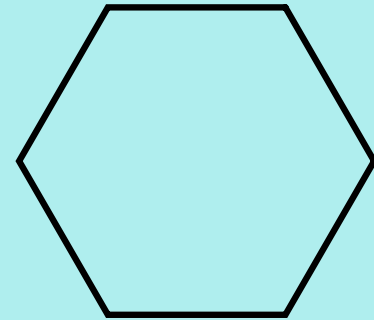
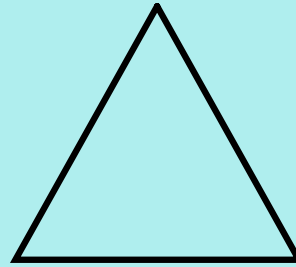
22cm

$$22 \times 2 = 44$$

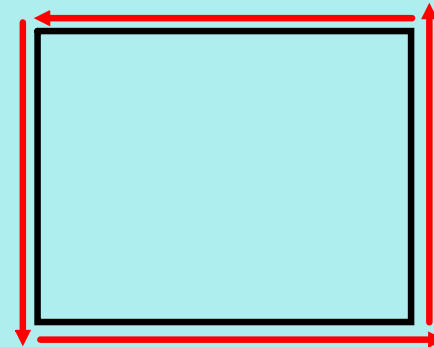
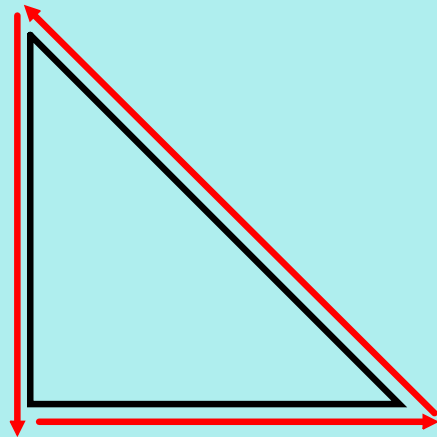
$$6 \times 2 = 12$$

$$12 + 44 = 56\text{cm}$$

What is the perimeter of a shape?



Perimeter - the distance around a 2D shape.



How do you find the perimeter of a rectangle?

Formula

## Formula:

$$2 \times (\text{Length} + \text{Width})$$

$$(2 \times \text{Length}) + (2 \times \text{Width})$$

not to scale



6 cm

19 cm

$$2 \times (L + B) =$$

$$(2 \times L) + (2 \times B) =$$



6.5cm

53.5cm

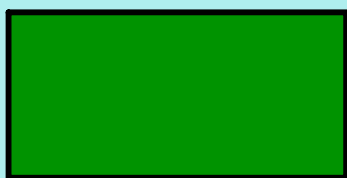
$$2 \times (L + B) =$$

$$(2 \times L) + (2 \times B) =$$





not to scale

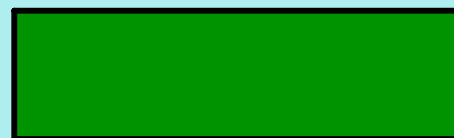


6 cm

19 cm

$$2 \times (L + B) =$$

$$(2 \times L) + (2 \times B) =$$

**50cm**

6.5cm

53.5cm

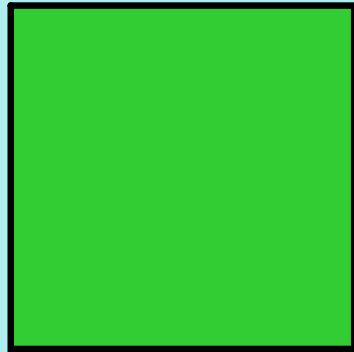
$$2 \times (L + B) =$$

$$(2 \times L) + (2 \times B) =$$

**120 cm**

Work out the perimeter of a square with only one given length.

8.8cm

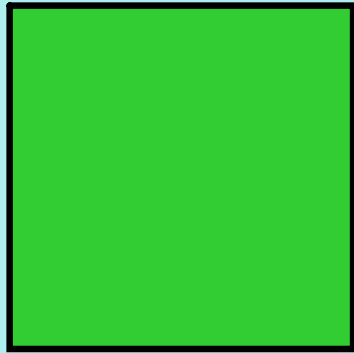


Perimeter =



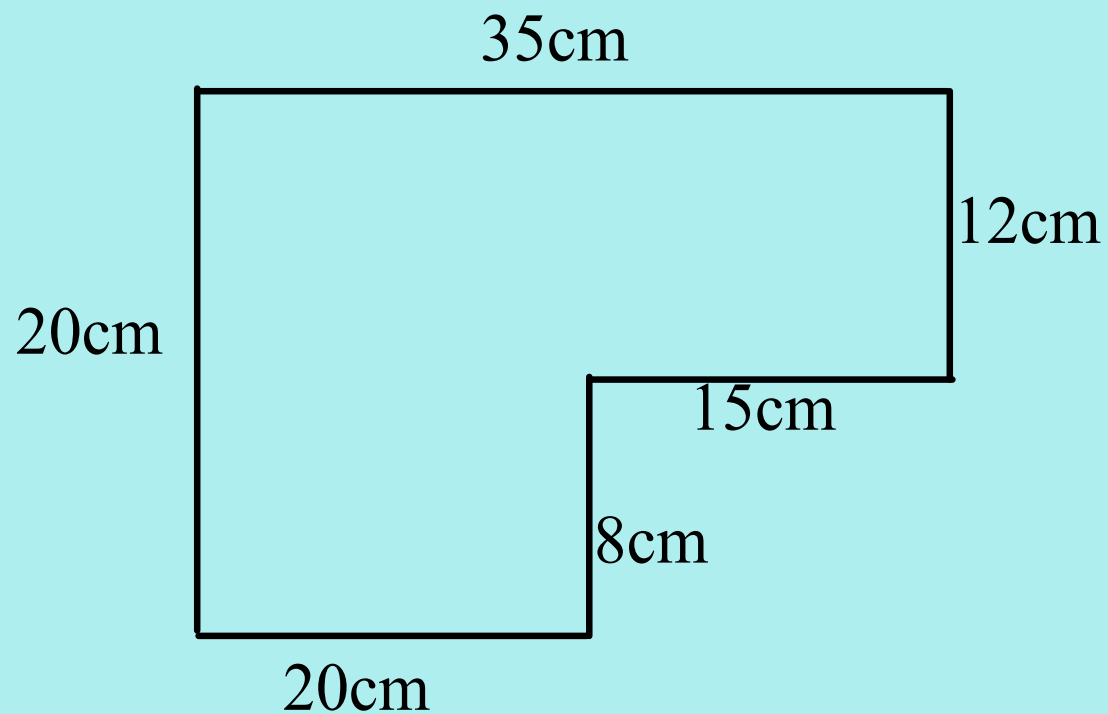
Work out the perimeter of a square with only one given length.

8.8cm

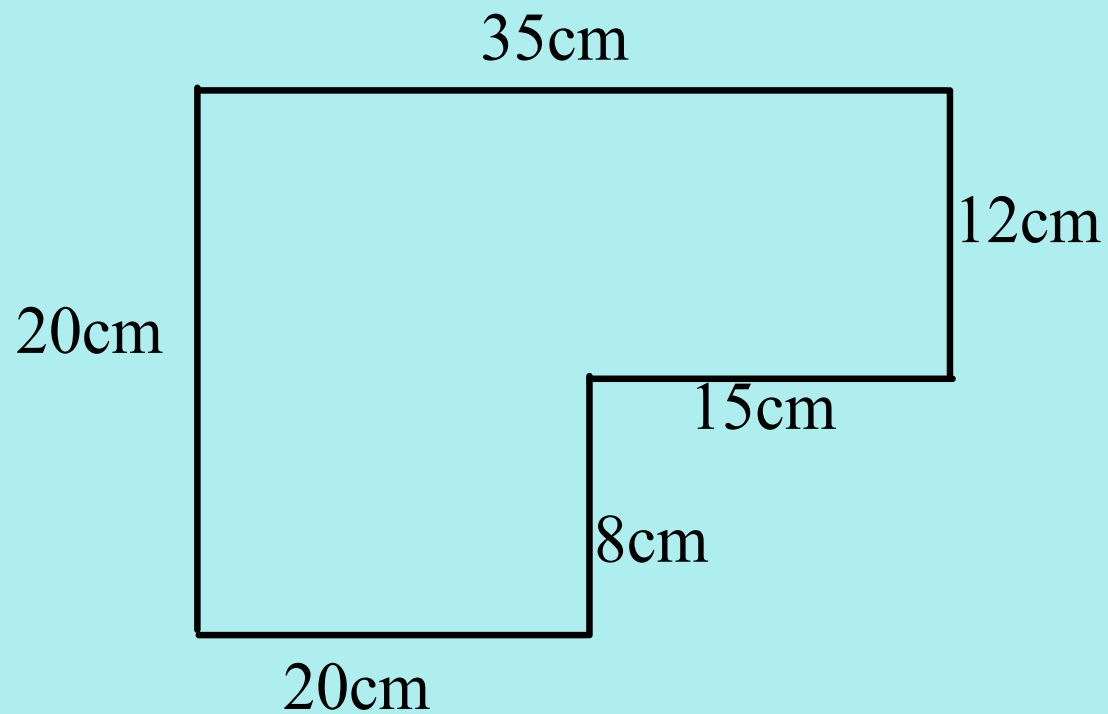


$$\text{Perimeter} = 28\text{cm}$$

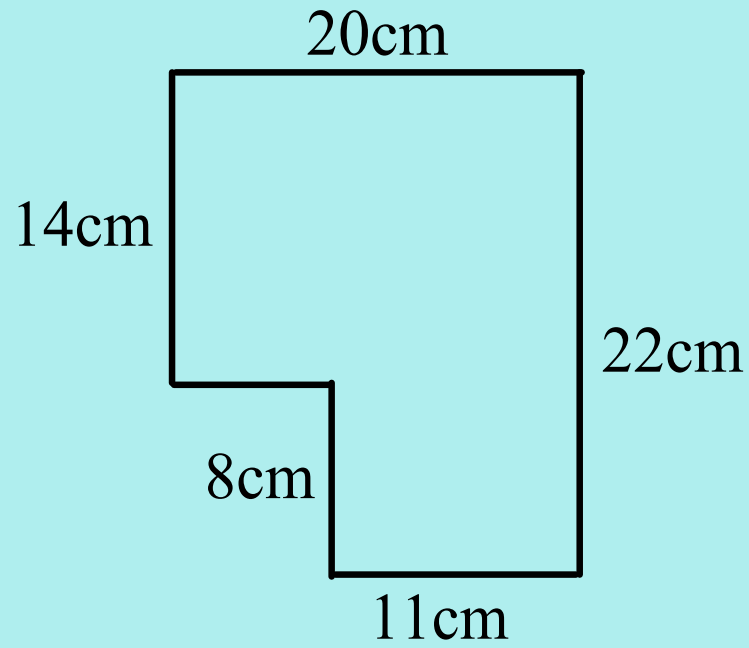
## Compound shapes



*Perimeter* =



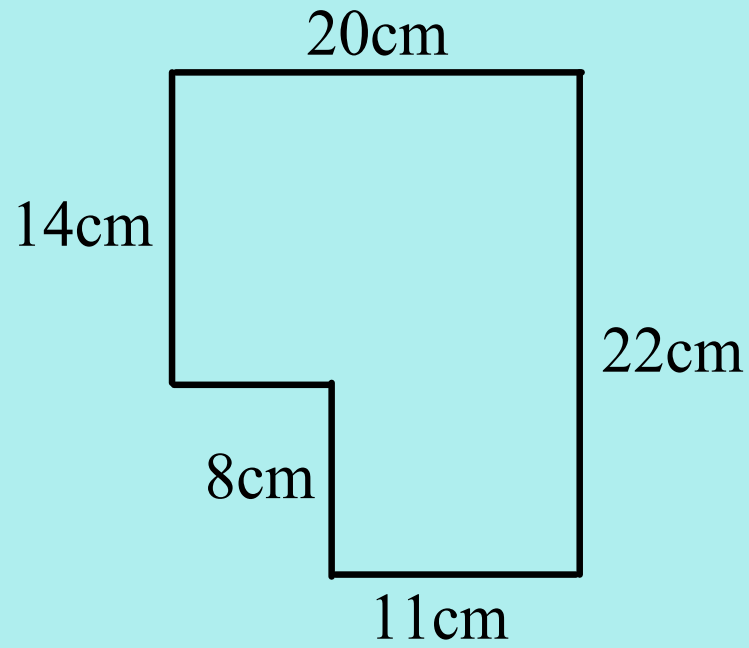
$$\textit{Perimeter} = 110 \text{ cm}$$



not to scale

Perimeter =





not to scale

$$\text{Perimeter} = 84 \text{ cm}$$

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WALT: calculate the perimeter of 2D shapes.

Activity

Please find your worksheet on the Class Blog.