



# Functional Skills and GCSE Foundation

Edexcel

## Unit 2: Measure, shape and space

### Lesson 3 - Area and perimeter of rectangles

FS1

FS2

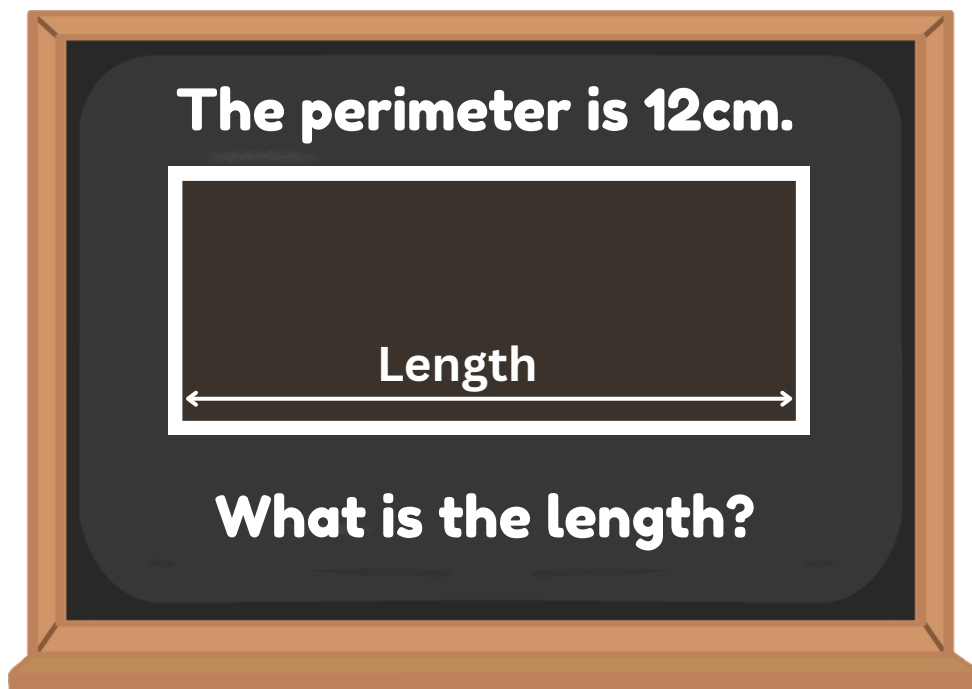
GCSE

iGCSE

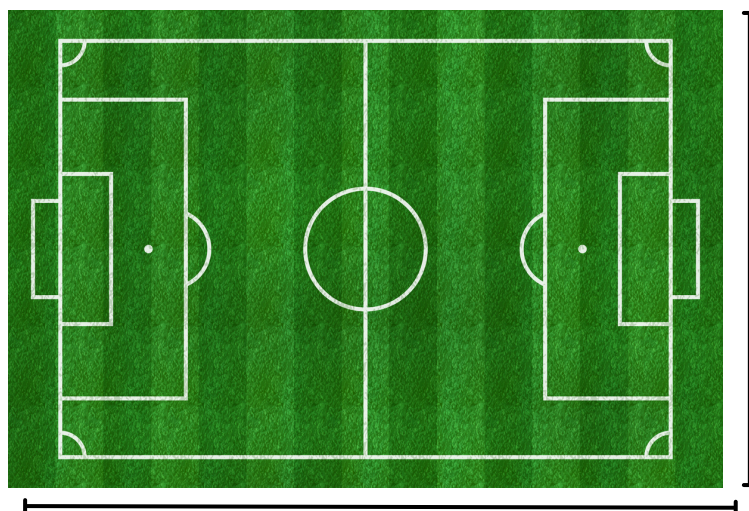
#### Bring to join in:

A tin of beans/tomatoes or similar, a big book, some string or wool, a ruler, a calculator, 2 pieces of A4 paper, some scissors

# Start thinking:



What is the perimeter?

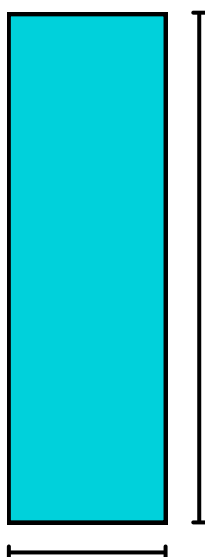


Width = 36m

Length = 55m



Find the missing information



Width = 13 cm

Length = 4 cm

Length =

Width =

Perimeter =

**Find the missing information**



**Length = 2.5 mm**

**Width =  
3.3 mm**

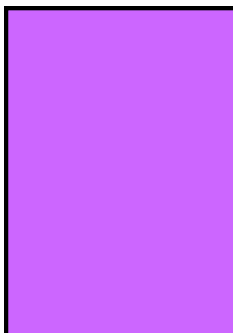
**Length =**  
**Width =**  
**Perimeter =**



**Length = 4 cm**

**Perimeter = 14 cm**

**Length =**  
**Width =**  
**Perimeter =**

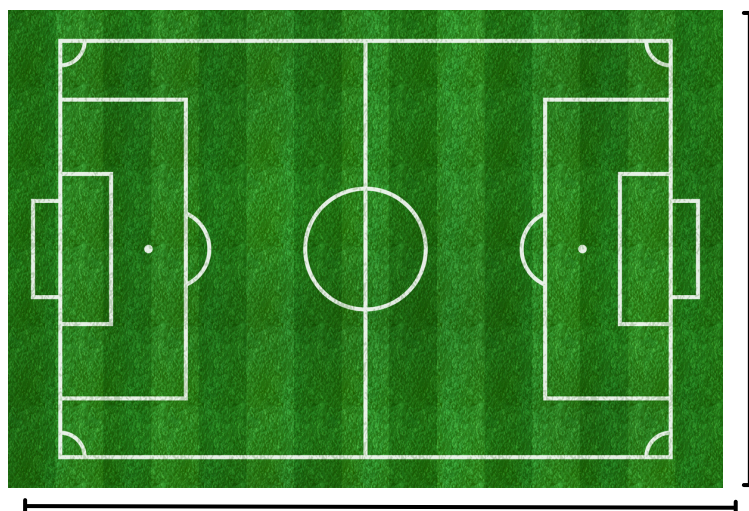


**Width =  
11 cm**

**Perimeter = 27 cm**

**Length =**  
**Width =**  
**Perimeter =**

What is the area?



Width = 36m

Length = 55m

Think: How much grass do we need to cover the pitch?

Finding the area of a rectangle

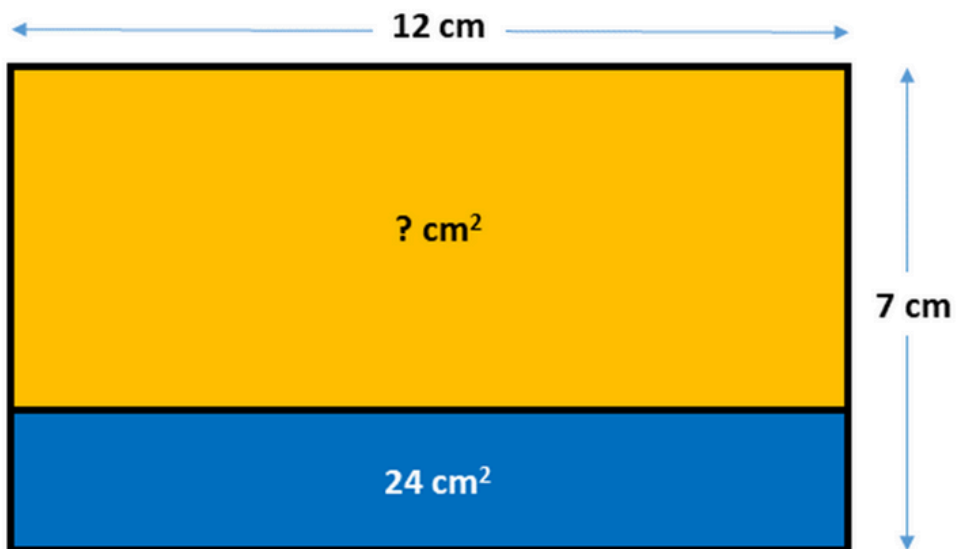
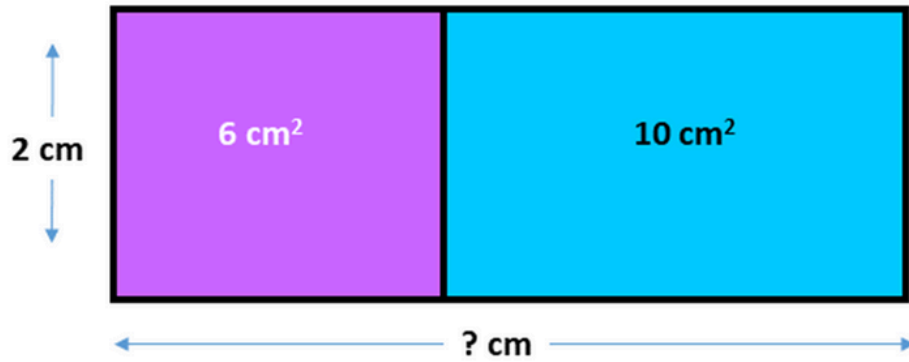


Width = 2 cm

Length = 4 cm

Transum –  
area maze

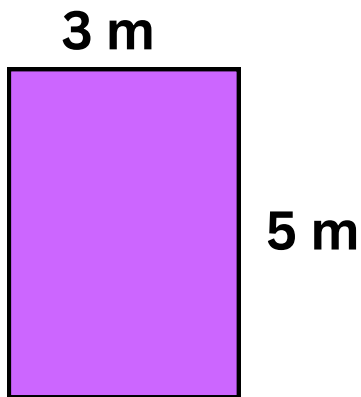
Area maze





## Quiz

The **perimeter** of the rectangle is....

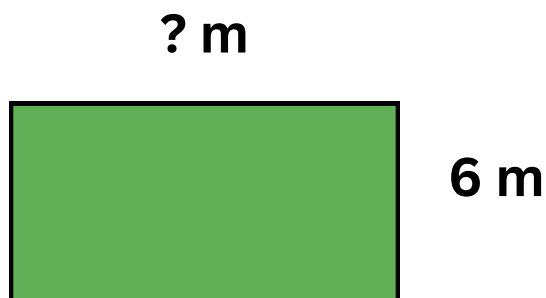


$$r = 16 \text{ m}$$

$$s = 15 \text{ m}^2$$

$$t = 8 \text{ m}$$

The **width** of the rectangle is....



$$a = 5 \text{ m}$$

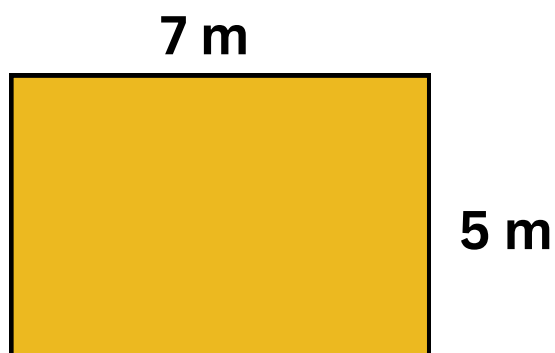
$$b = 16 \text{ m}$$

$$c = 11 \text{ m}$$

$$\text{Perimeter} = 22 \text{ m}$$

## Quiz

The **area** of the rectangle is....

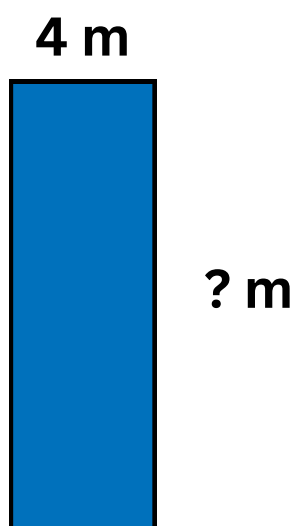


$$a = 35 \text{ m}^2$$

$$b = 12 \text{ m}^2$$

$$c = 24 \text{ m}^2$$

The **length** of the rectangle is....



$$\text{Area} = 28 \text{ m}^2$$

$$d = 10 \text{ m}$$

$$e = 7 \text{ m}$$

$$f = 112 \text{ m}$$



## **At home:**

### **Corbett maths - Perimeter practice**

<https://corbettmaths.com/wp-content/uploads/2013/02/perimeter-pdf2.pdf>

#### **Answers:**

<https://corbettmaths.com/2017/06/16/perimeter-answers/>

#### **Video:**

<https://corbettmaths.com/2012/08/02/perimeter/>

### **Corbett maths - Area practice**

<https://corbettmaths.com/wp-content/uploads/2013/02/area-of-a-rectangle-pdf1.pdf>

#### **Answers:**

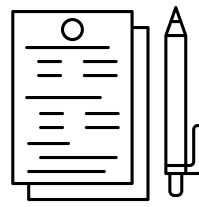
<https://corbettmaths.com/wp-content/uploads/2019/08/Area-rectangle.pdf>

#### **Video:**

<https://corbettmaths.com/2013/12/20/area-of-a-rectangle-video-45/>

### **Transum - Area Maze**

[https://www.transum.org/Maths/Puzzles/Area\\_Maze/](https://www.transum.org/Maths/Puzzles/Area_Maze/)



# Exam questions

## At home:

**Corbett maths exam style questions:**

<https://corbettmaths.com/wp-content/uploads/2023/02/Area-of-a-Rectangle.pdf>

**Answers:**

<https://corbettmaths.com/wp-content/uploads/2023/02/Area-Rectangle-answers.pdf>