# Week 10, Day 4 <br> Find the area of rectangles 

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. If possible, watch the PowerPoint presentation with a teacher or another grown-up.

OR start by carefully reading through the Learning Reminders.

2. Tackle the questions on the Practice Sheet.

There might be a choice of either Mild (easier) or Hot (harder)!
Check the answers.

3. Finding it tricky? That's OK... have a go with a grown-up at A Bit Stuck?

4. Think you've cracked it? Whizzed through the Practice Sheets? Have a go at the Investigation...

## Learning Reminders



## Learning Reminders

Find the area of rectangles.


## Learning Reminders

Find the area of rectangles.
Kirk drew 2 rectangles.


## Practice Sheet Mild <br> Rectangle areas

Which of these rectangles has the largest area?

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## Challenge

Draw two more rectangles, each with an area of $18 \mathrm{~cm}^{2}$.

## Practice Sheet Hot <br> Rectangle areas

Which of these rectangles has the largest area?


## Challenge

Can you draw any other rectangles with same area as shape F ?

## Practice Sheets Answers

## Rectangle areas (mild)

A $\quad 6 \mathrm{~cm}^{2}$
B $\quad 14 \mathrm{~cm}^{2}$
C $\quad 5 \mathrm{~cm}^{2}$
D $\quad 20 \mathrm{~cm}^{2}$
E $\quad 16 \mathrm{~cm}^{2}$
Which of these rectangles has the largest area? D

## Challenge

Rectangles of $18 \mathrm{~cm}^{2}$ could measure: $18 \mathrm{~cm} \times 1 \mathrm{~cm}, 9 \mathrm{~cm} \times 2 \mathrm{~cm}$, or $6 \mathrm{~cm} \times 3 \mathrm{~cm}$

## Rectangle areas (hot)

A $\quad 6 \mathrm{~cm}^{2}$
B $\quad 14 \mathrm{~cm}^{2}$
C $\quad 5 \mathrm{~cm}^{2}$
D $\quad 20 \mathrm{~cm}^{2}$
E $\quad 16 \mathrm{~cm}^{2}$
F $\quad 42 \mathrm{~cm}^{2}$
G $\quad 18 \mathrm{~cm}^{2}$
In order of size from smallest to biggest: $C, A, B, E, G, D, F$
Which of these rectangles has the largest area? F

## Challenge

Can you draw any other rectangles with same area as shape F?
Rectangles with an area $42 \mathrm{~cm}^{2}$ may also be $42 \mathrm{~cm} \times 1 \mathrm{~cm}, 21 \mathrm{~cm} \times 2 \mathrm{~cm}$, or $14 \mathrm{~cm} \times 3 \mathrm{~cm}$.

- Draw these rectangles:


## Rectangle patterns

## 3 cm by 2 cm

## 4 cm by 2 cm

## 5 cm by 2 cm

- Count the squares to find the area of each. What do you notice?
- What would be the area of the next rectangle in this sequence? Draw it to check.
- How will the sequence continue?

- Now try these:

2 cm by 3 cm
3 cm by 3 cm
4 cm by 3 cm
5 cm by 3 cm

- Count the squares to find the area of each. What do you notice?
- What would be the area of the next rectangle in this sequence? Draw it to check.
- How will the sequence continue?



