

Starter

$$3,000 \div 60 =$$

$$80 \times 20 \times 60 =$$

$$68\,403 - 2536 =$$

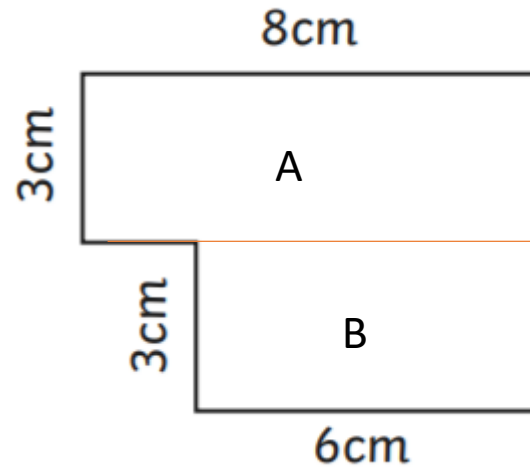
The years these films were released are written in Roman numerals. Write the years how you would usually write them in digits:

Jetsons: the Movie	MCMXC	
Shrek	MMI	
Frozen	MMXIII	

The area of a shape is the **amount of surface it covers.**

Area is recorded as cm².

The formula for working out area is $l \times w$, length multiplied by the width.



When you have a compound shape like this, one way to work out the area is to split the shape up.

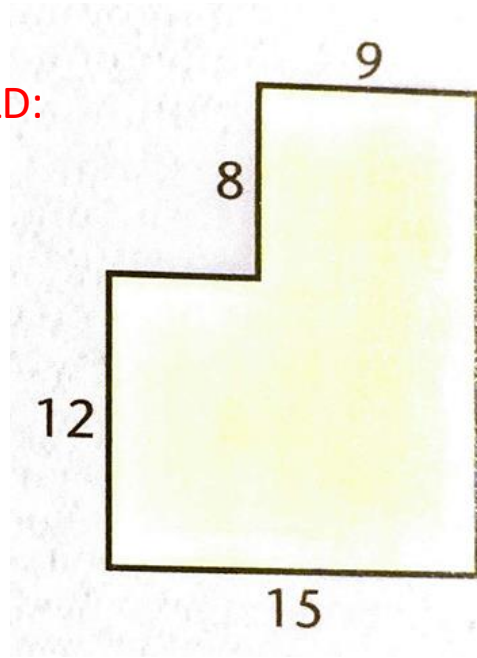
Then I can do $8 \times 3 = 24$ to work out A.

Next, $6 \times 3 = 18$ to work out B.

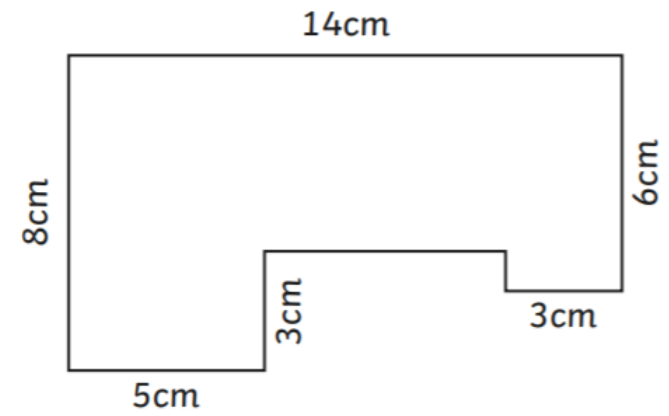
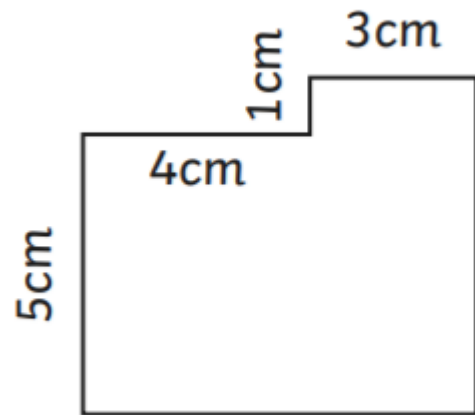
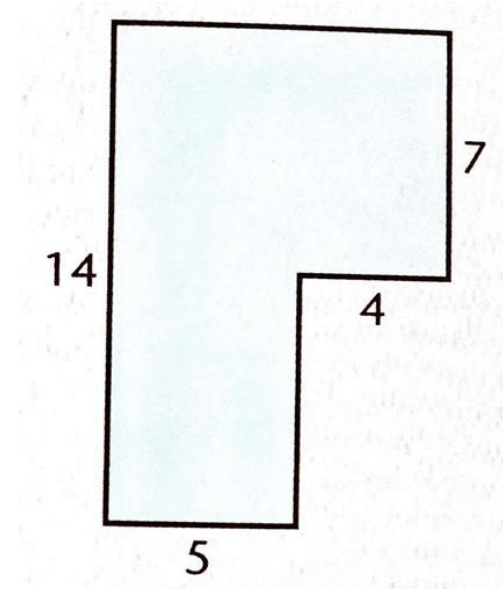
Finally, you add them together to give you the area of the whole shape.

$$24\text{cm}^2 + 18\text{cm}^2 = 42\text{cm}^2$$

MILD:



HOT:



Reasoning Speaking Frame

I notice ...

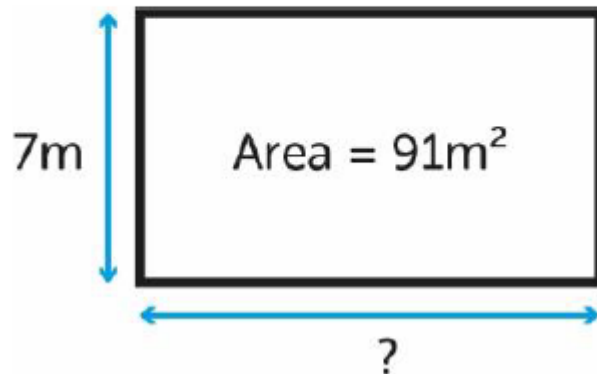
I know ... because ...

If ... then ...

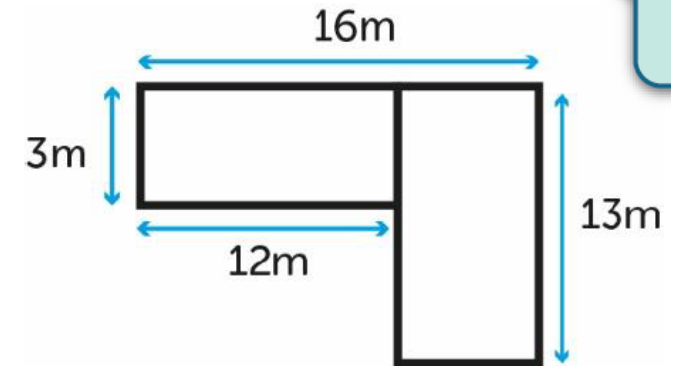
I can work out ...

MILD:

What is the missing measure?
How do you know?



HOT:



Can you calculate the area in more than one way?

ANSWERS:

Starter

$$3,000 \div 60 = 50$$

$$80 \times 20 \times 60 = 96,000$$

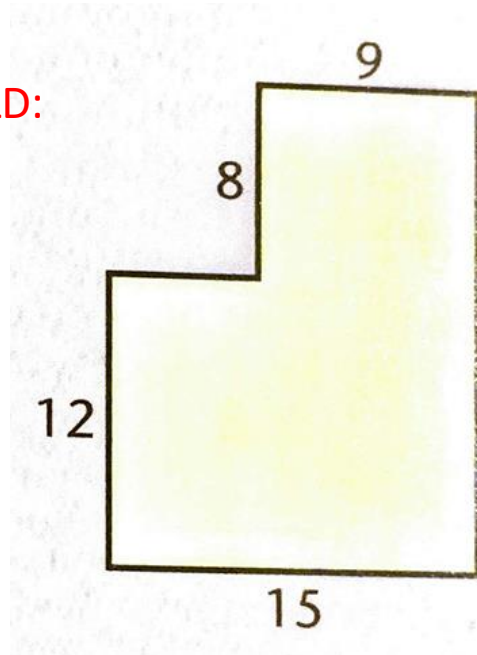
$$68\,403 - 2536 = 65,867$$

The years these films were released are written in Roman numerals. Write the years how you would usually write them in digits:

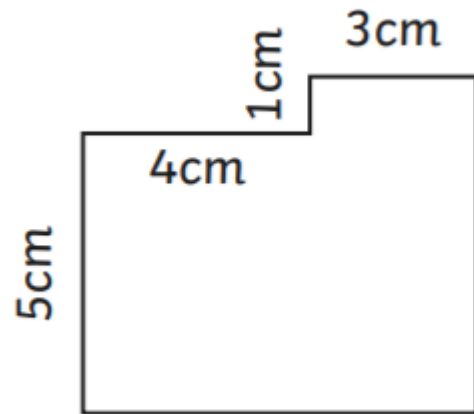
Jetsons: the Movie	1990
Shrek	2001
Frozen	2013

ANSWERS:

MILD:

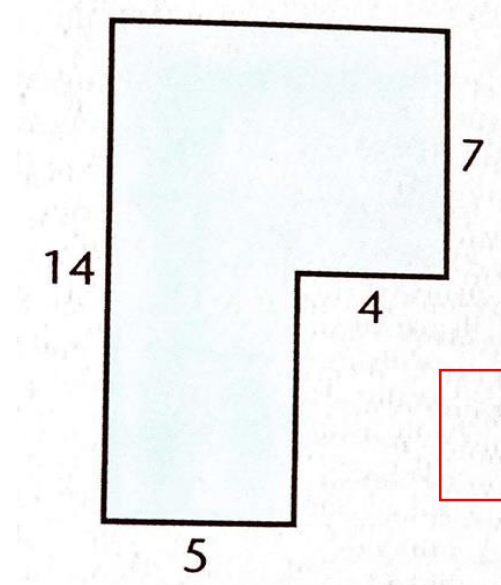


252cm²

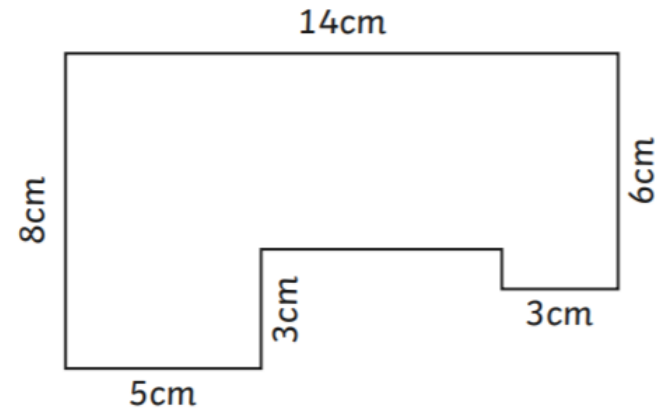


Total: **38cm²**

HOT:



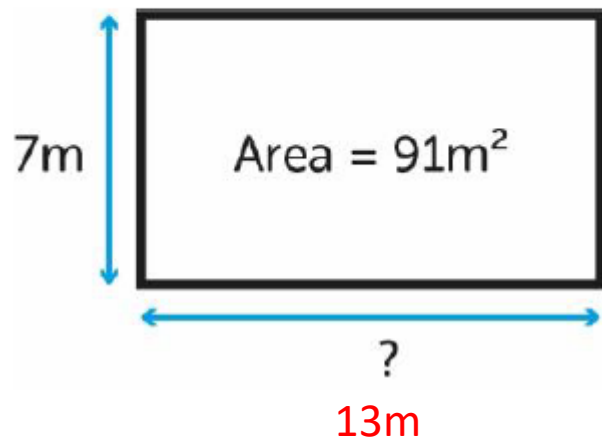
98cm²



Total: **88cm²**

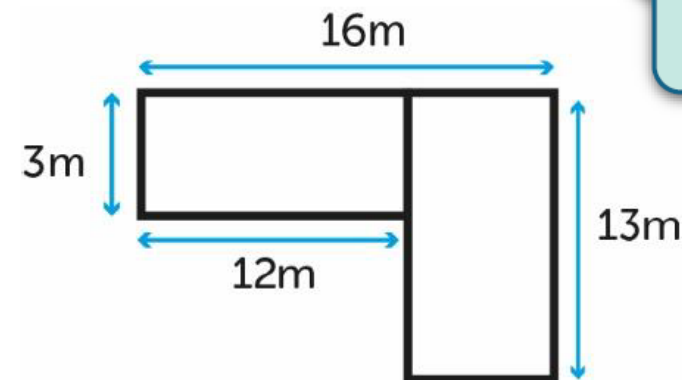
MILD:

What is the missing measure?
How do you know?



ANSWERS:

HOT:



Can you calculate the area in more than one way?

I worked out $12\text{m} \times 3\text{m}$ then added $13\text{m} \times 4\text{m}$.

I worked out $16\text{m} \times 13\text{m} - 12\text{m} \times 10\text{m}$.

I worked out $3\text{m} \times 16\text{m} + 4\text{m} \times 10\text{m}$.