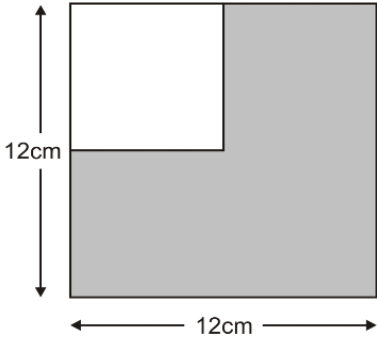


**Objective:** Recognise when it is possible to use formulae for the area

## Year 6 Task:

A white square is painted in one corner of a grey square.

Each side of the white square is **half** the length of a side of the grey square.



12cm

12cm

Not actual size

What is the **area** of the grey section?

KS2 SATs question

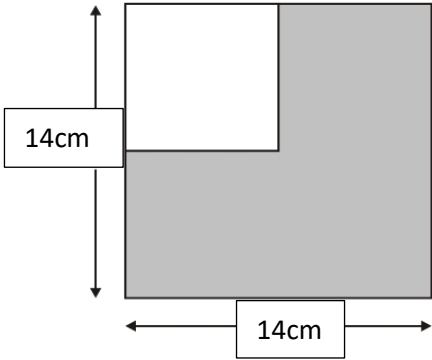
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[www.nationalarchives.gov.uk/doc/open-government-licence](http://www.nationalarchives.gov.uk/doc/open-government-licence)



**Variation**

A white square is painted in one corner of a grey square.

Each side of the white square is **half** the length of a side of the grey square.



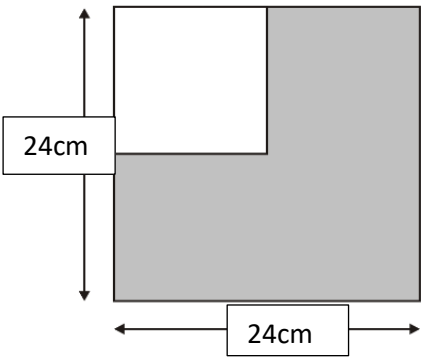
Not actual size

What is the **area** of the grey section?

**Answer:  $147\text{cm}^2$**

A white square is painted in one corner of a grey square.

Each side of the white square is **half** the length of a side of the grey square.



Not actual size

What is the **area** of the grey section?

**Answer:  $432\text{cm}^2$**