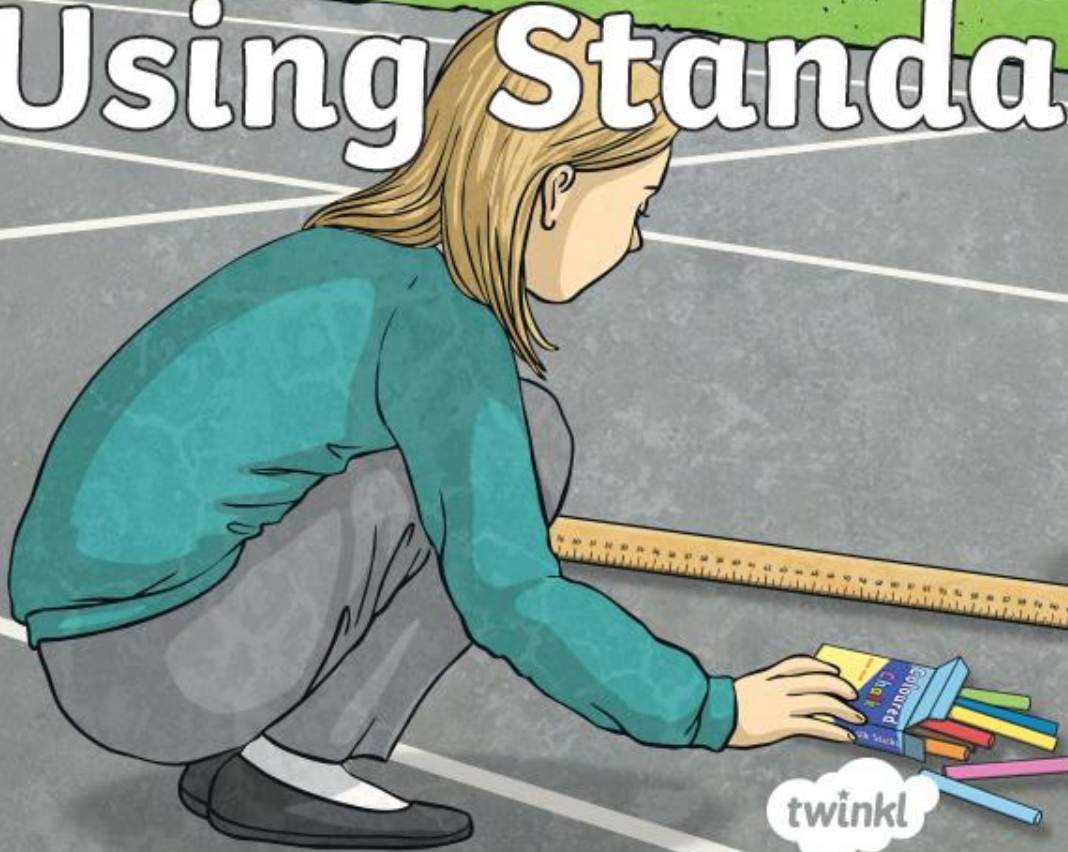


Comparing Area Using Standard Units



twinkl

Aim

- I can calculate and compare the area of shapes using standard units.

Success Criteria

- I can multiply length by width to calculate the area of a rectangle or square.
- I can calculate and compare the area of rectangles and squares using square metres (m^2).
- I can calculate and compare the area of rectangles and squares using square centimetres (cm^2).

Odd One Out



Each of these shapes, except one, has a matching answer.
Which shape is the one without an answer?

8cm
3cm

3cm
3cm

6cm
2.5cm

20m
8m

18m
4m

72m²
160m²
24cm²
15cm²

Odd One Out



Each of these shapes, except one, has a matching answer.
Which shape is the one without an answer?

8cm
3cm
3cm
3cm
6cm
2.5cm

This shape is the odd one out, as it doesn't have an answer!

20m
8m
18m
4m

72m²
160m²
24cm²
15cm²

Comparing Area



In pairs, play the **Comparing Area Card Game**.

An illustration of two children sitting on the floor in a library. The child on the left is wearing a teal shirt and the child on the right is wearing a purple shirt. They are looking at a card together. In the background, there are bookshelves and a poster that says 'SAVE THE PANDA' with a panda illustration.

Shuffle the cards and place them face down. Each player takes a card and calculates the area of the shape on the card.

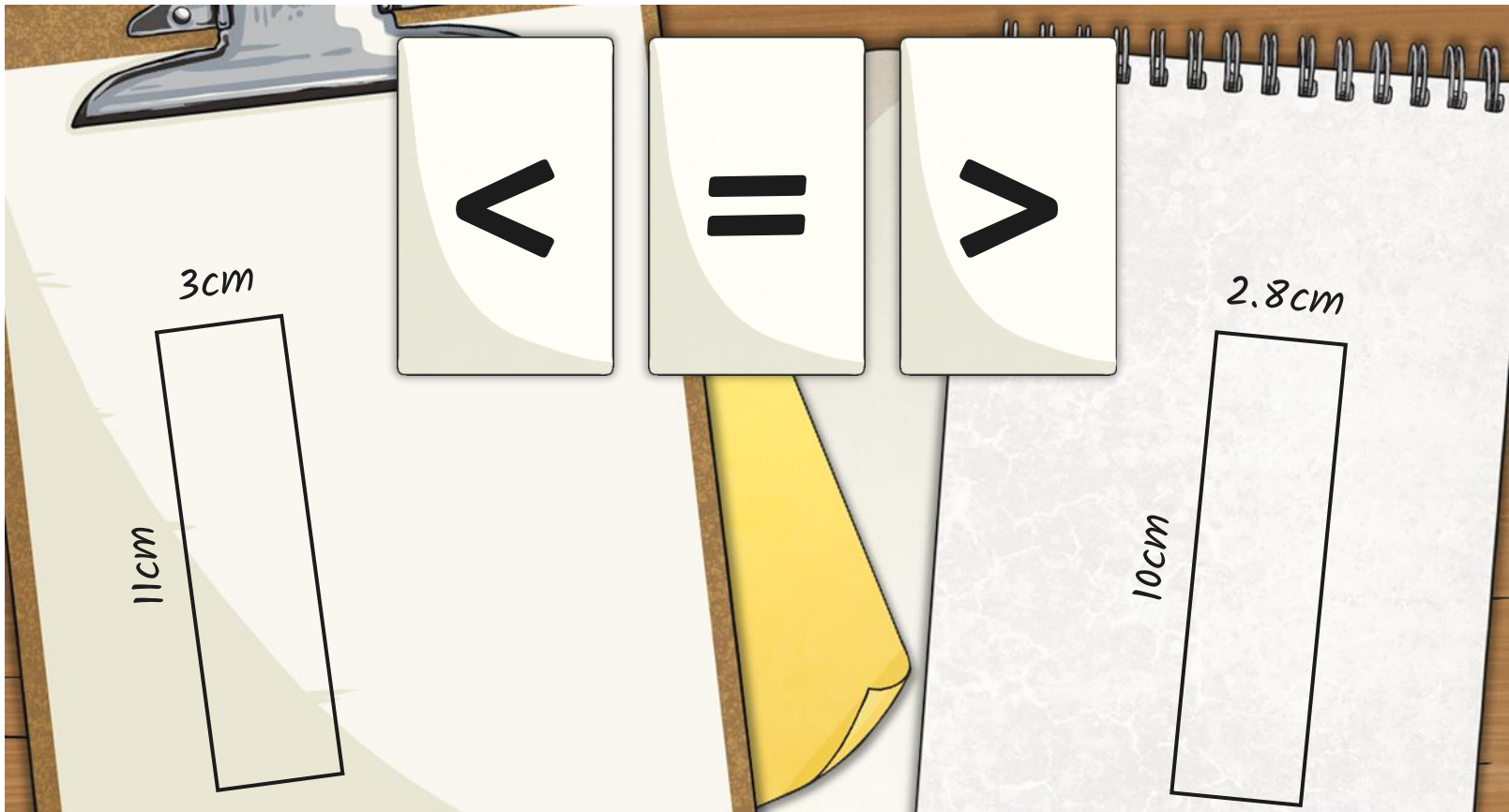
The player with the shape with the greatest area keeps the pair. If the areas are the same, then players keep their own card.

When all cards have been used, the player with the greatest number of cards is the winner.

Greater Than or Lesser Than?



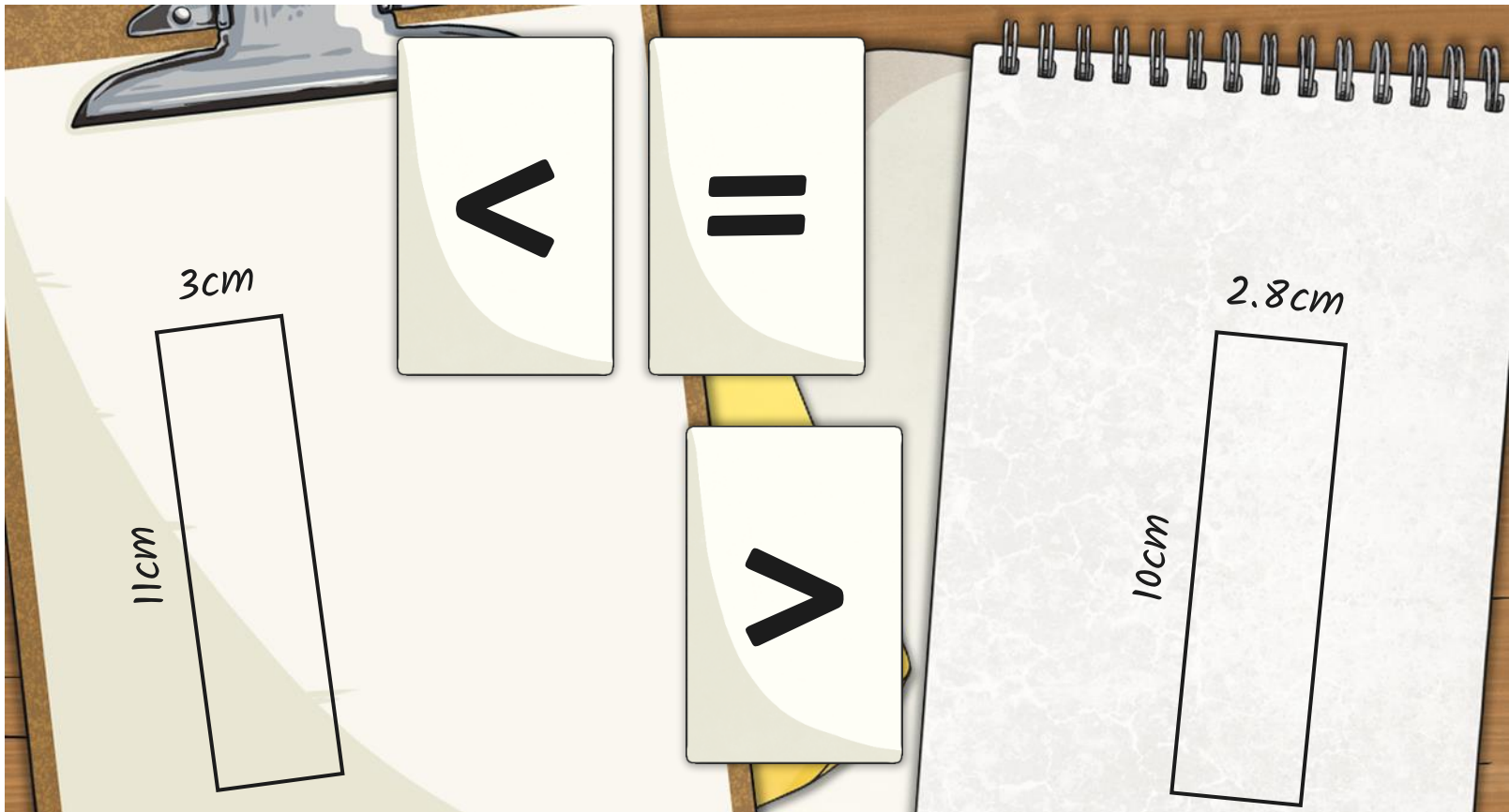
Calculate the area of both shapes and choose which sign should go in between to correctly compare the areas: $<$, $>$ or $=$.



Greater Than or Lesser Than?



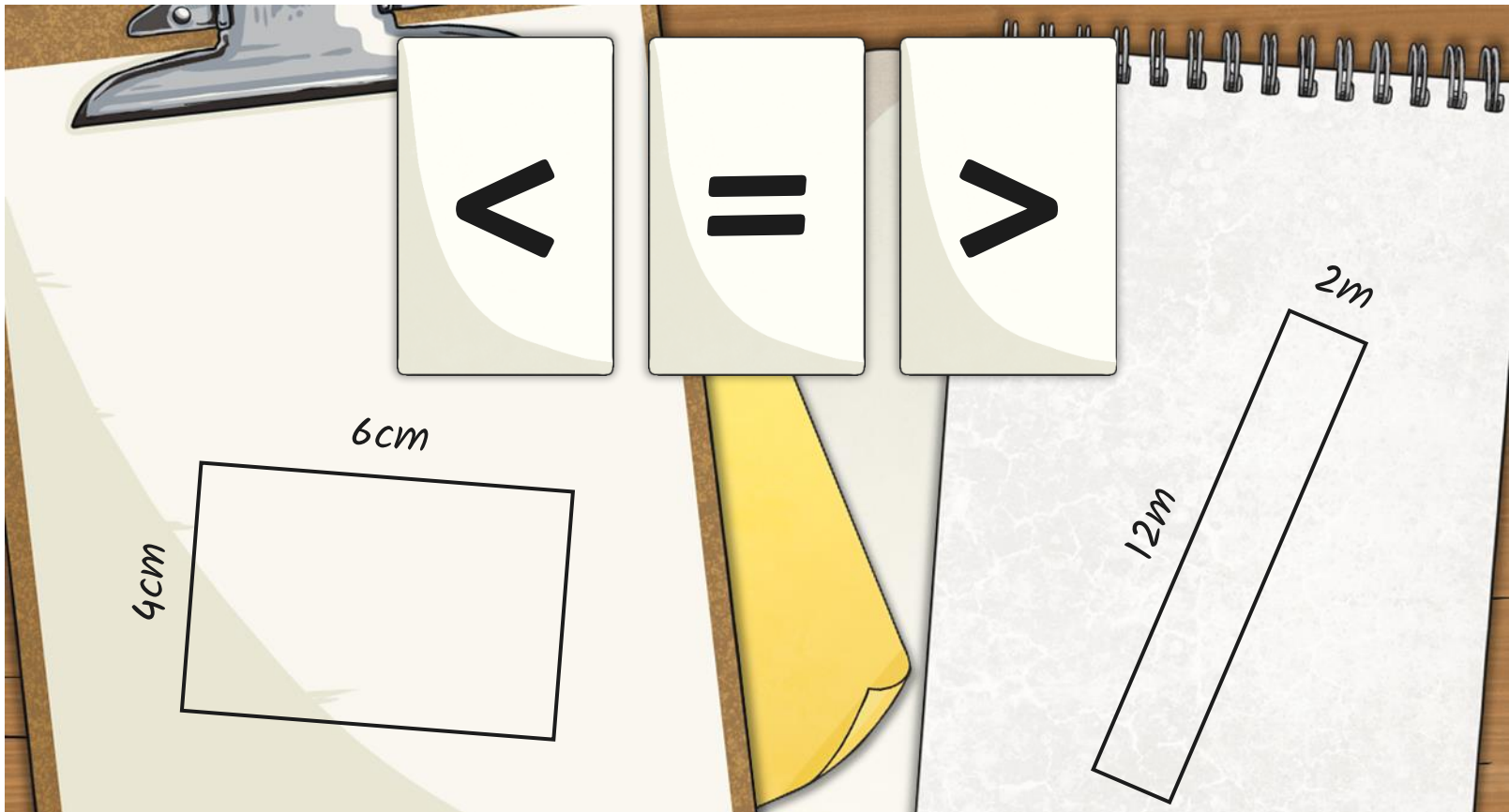
Calculate the area of both shapes and choose which sign should go in between to correctly compare the areas: $<$, $>$ or $=$.



Greater Than or Lesser Than?



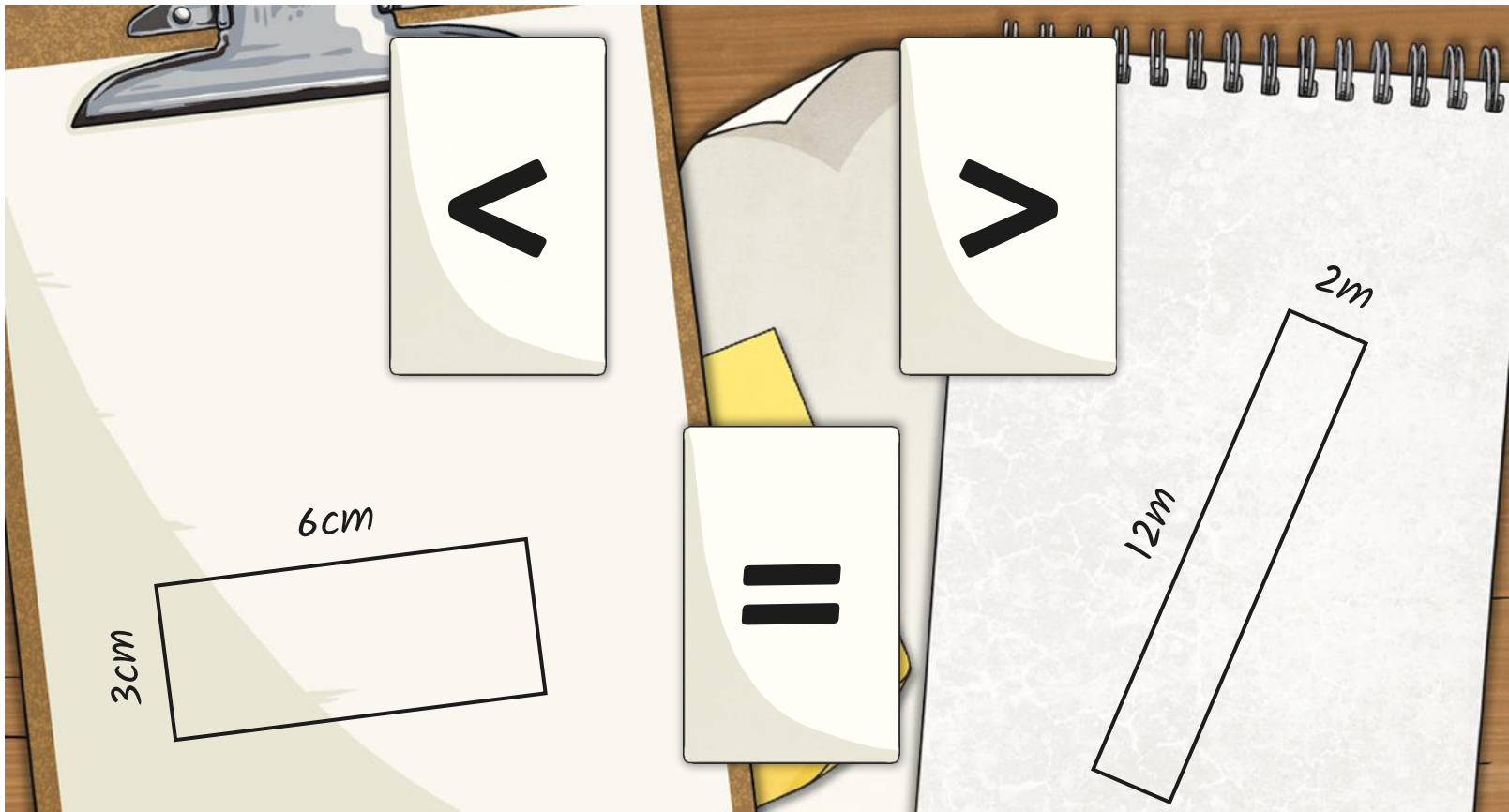
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Greater Than or Lesser Than?



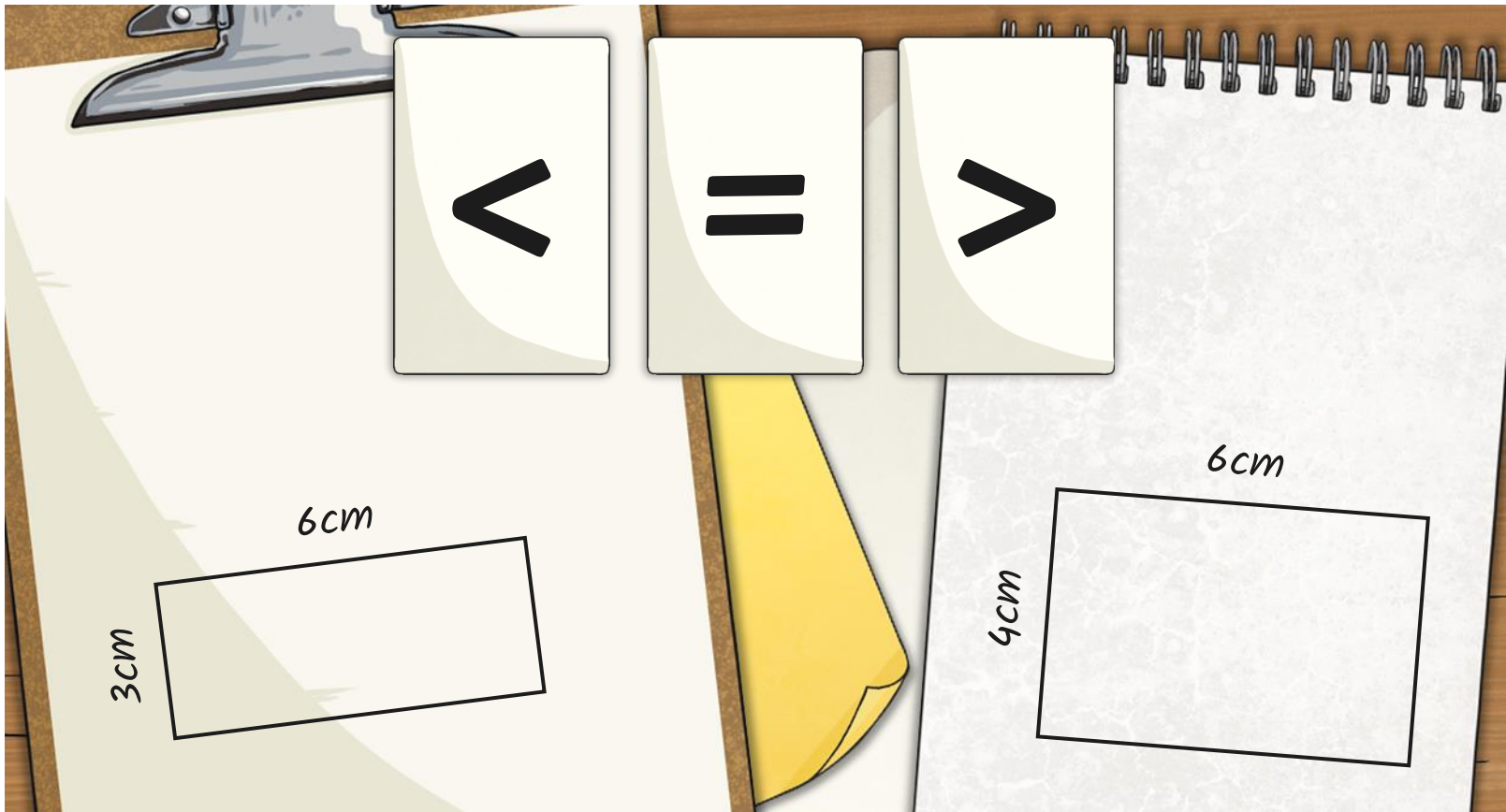
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Greater Than or Lesser Than?



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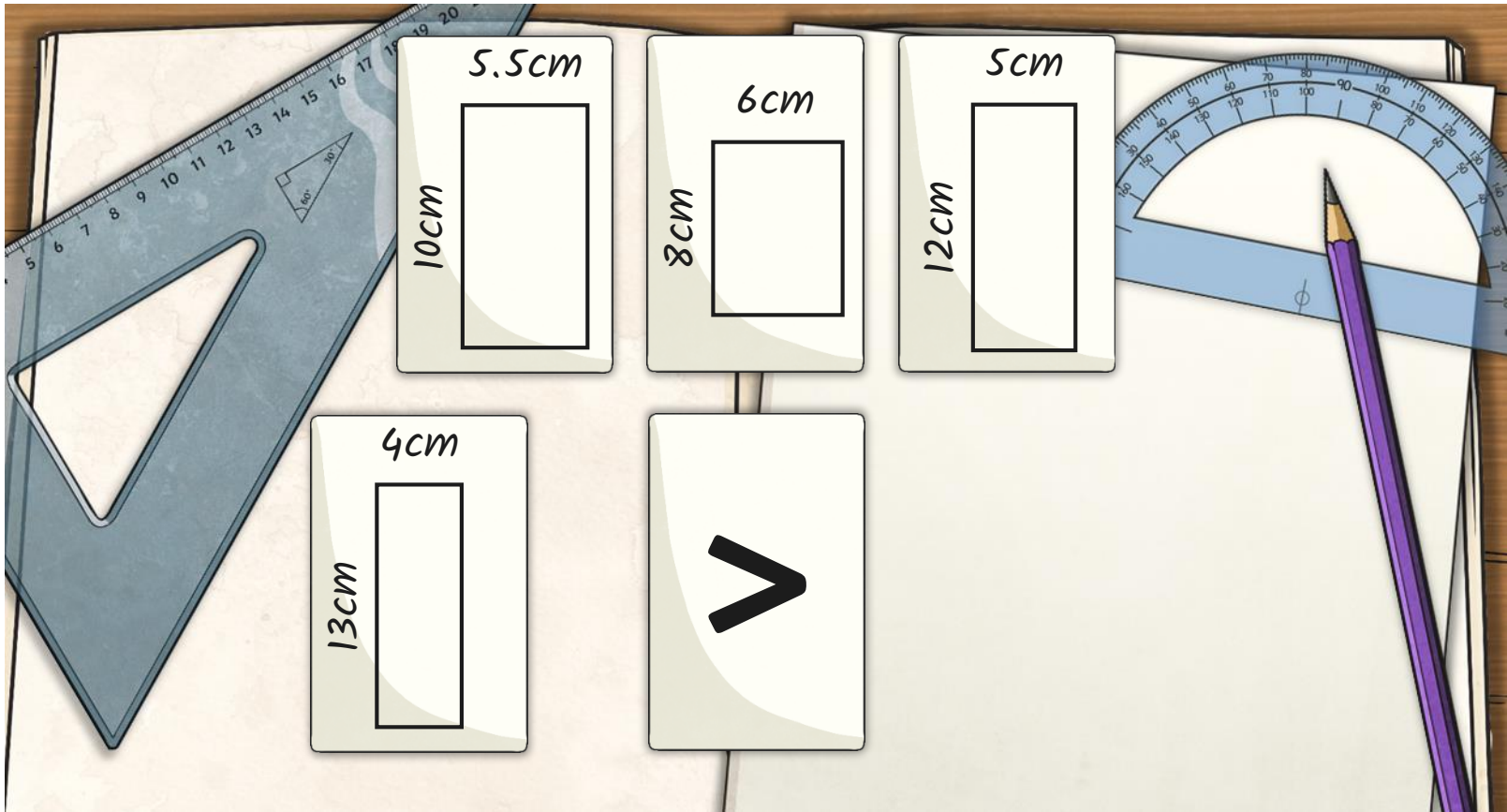
The image shows a worksheet with two rectangles and three comparison signs. The first rectangle on the left has a height of 3cm and a width of 6cm. The second rectangle on the right has a height of 4cm and a width of 6cm. Between the rectangles are three signs: an equals sign (=), a greater than sign (>), and a less than sign (<).

Greater Than or Lesser Than?

Whole Class

Extra Challenge:

Which shape should you choose to complete this inequality?

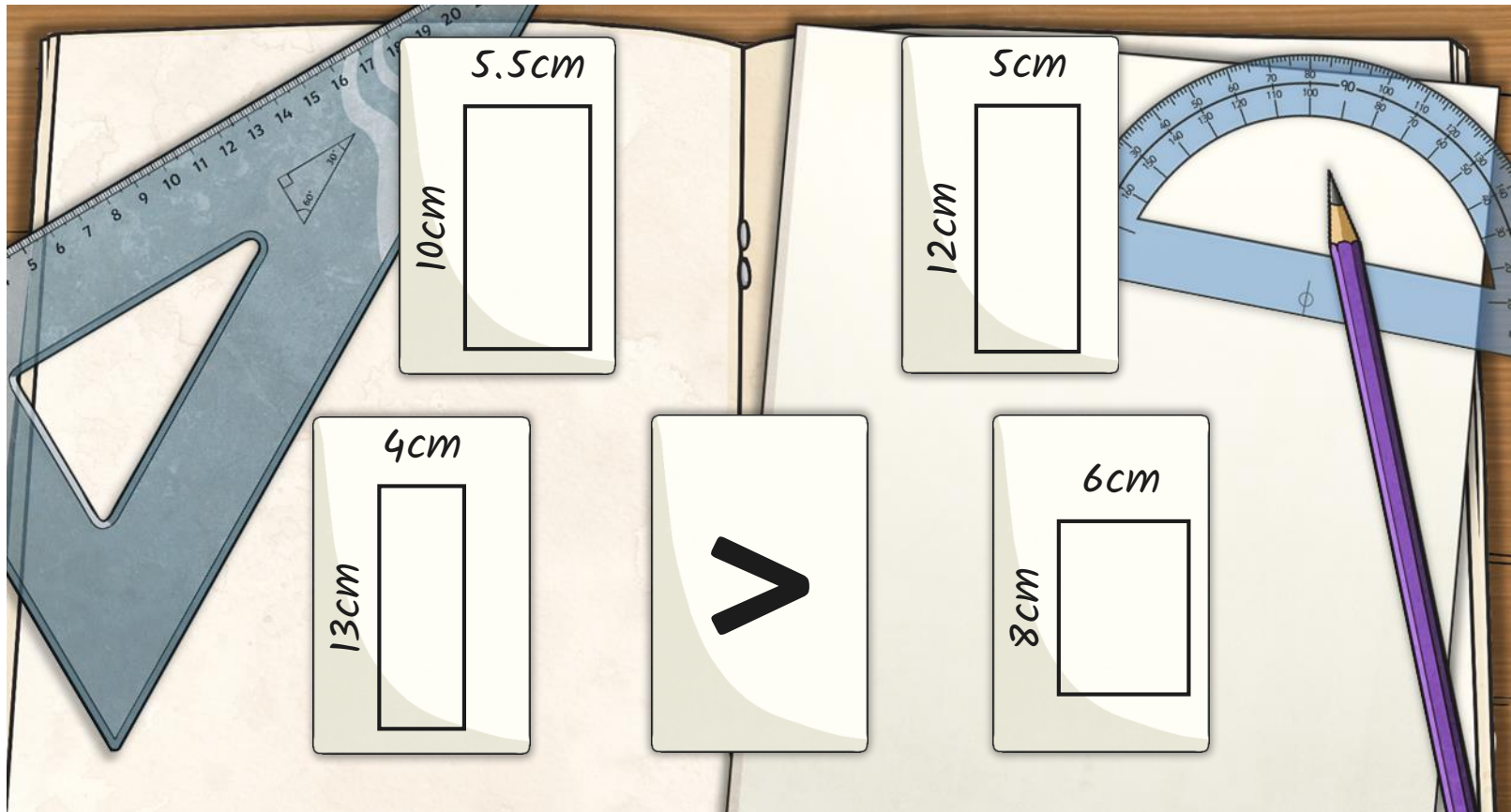


Greater Than or Lesser Than?

Whole Class

Extra Challenge:

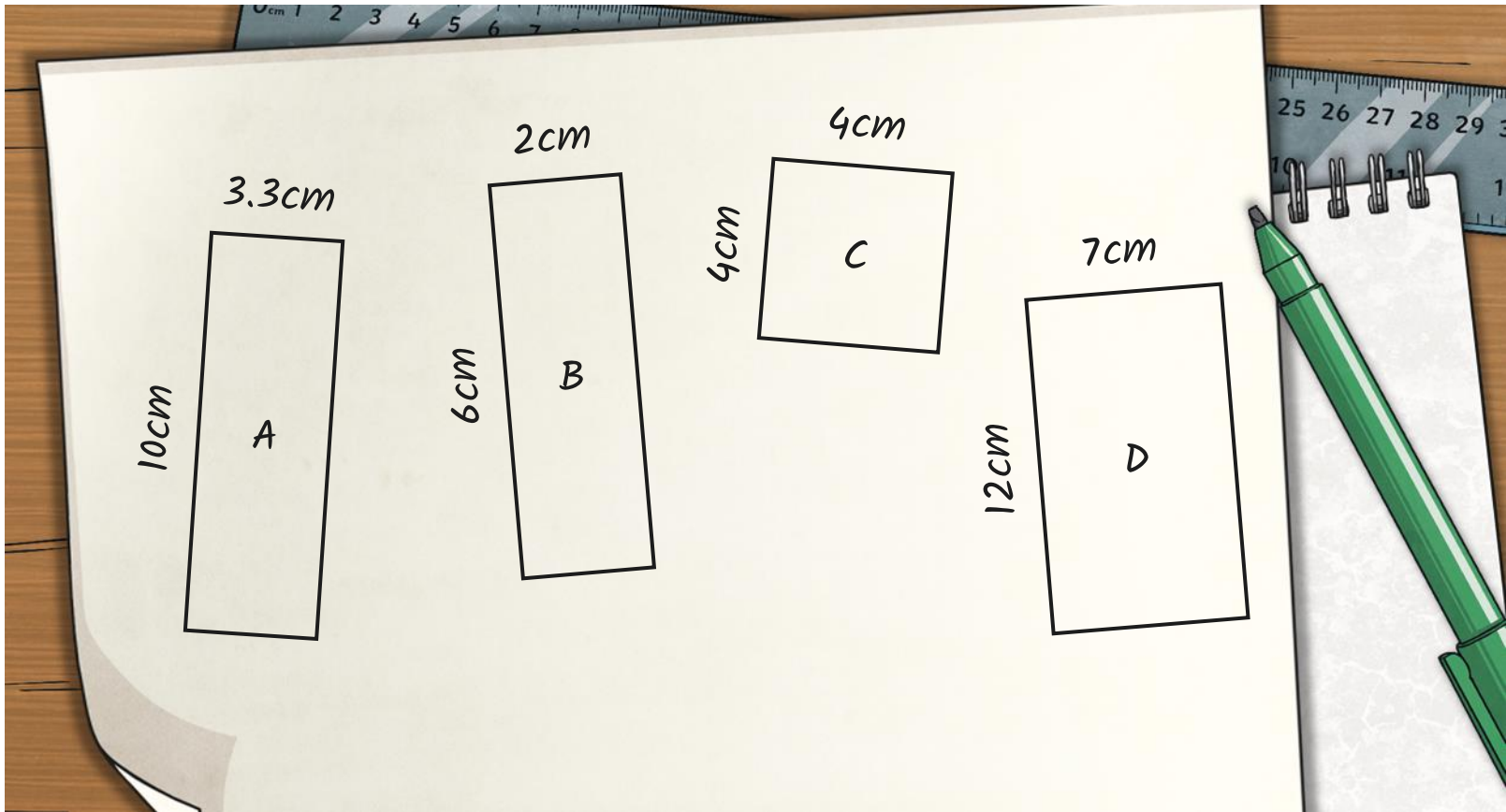
Which shape should you choose to complete this inequality?



Order, Order!



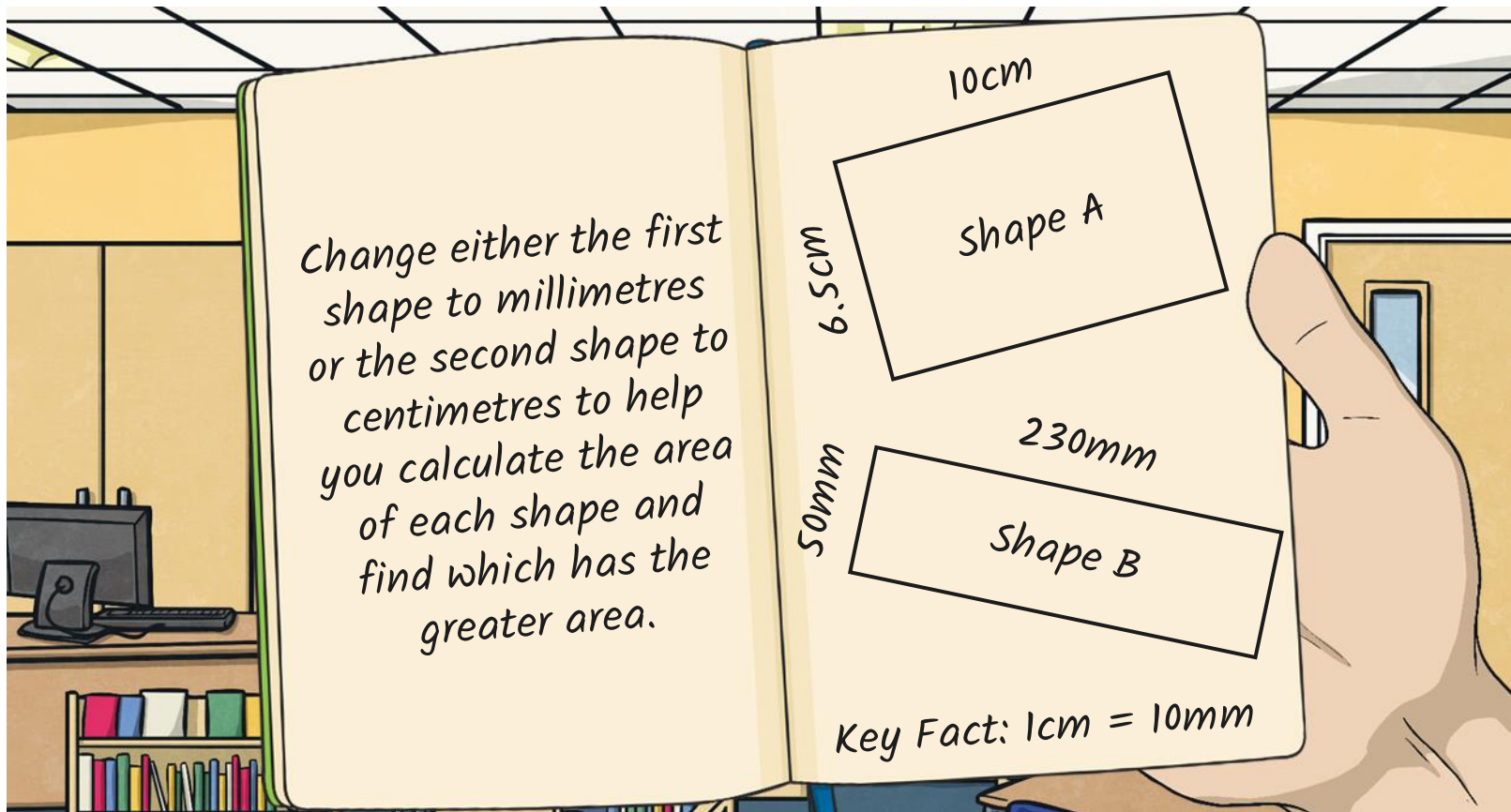
Calculate the area of these shapes, then order them from the smallest area to the largest. The shapes are not all drawn to the same scale.



Comparing and Converting



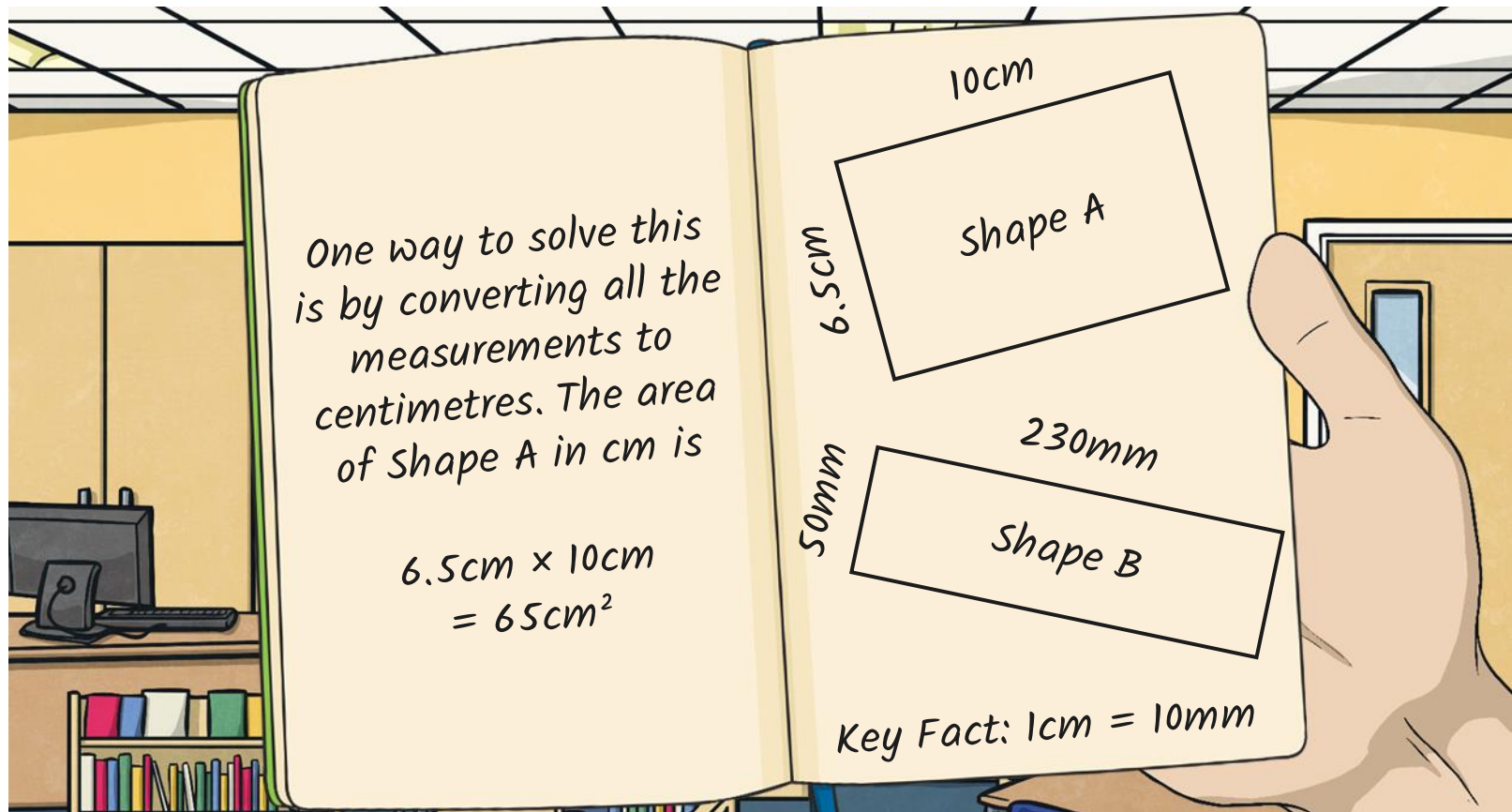
Calculate the area of these shapes, then compare the areas.
The shapes are not all drawn to the same scale.



Comparing and Converting



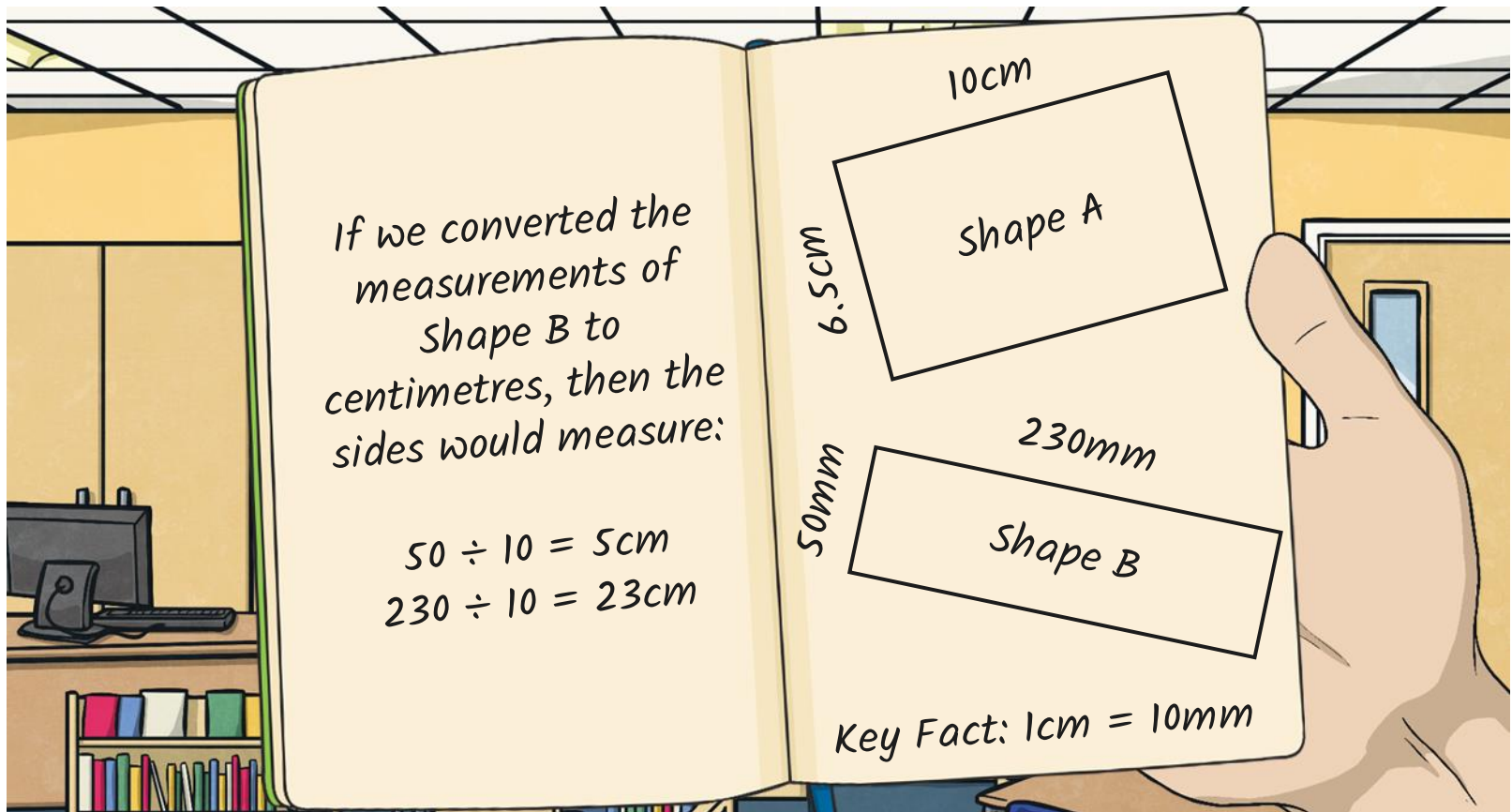
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Comparing and Converting



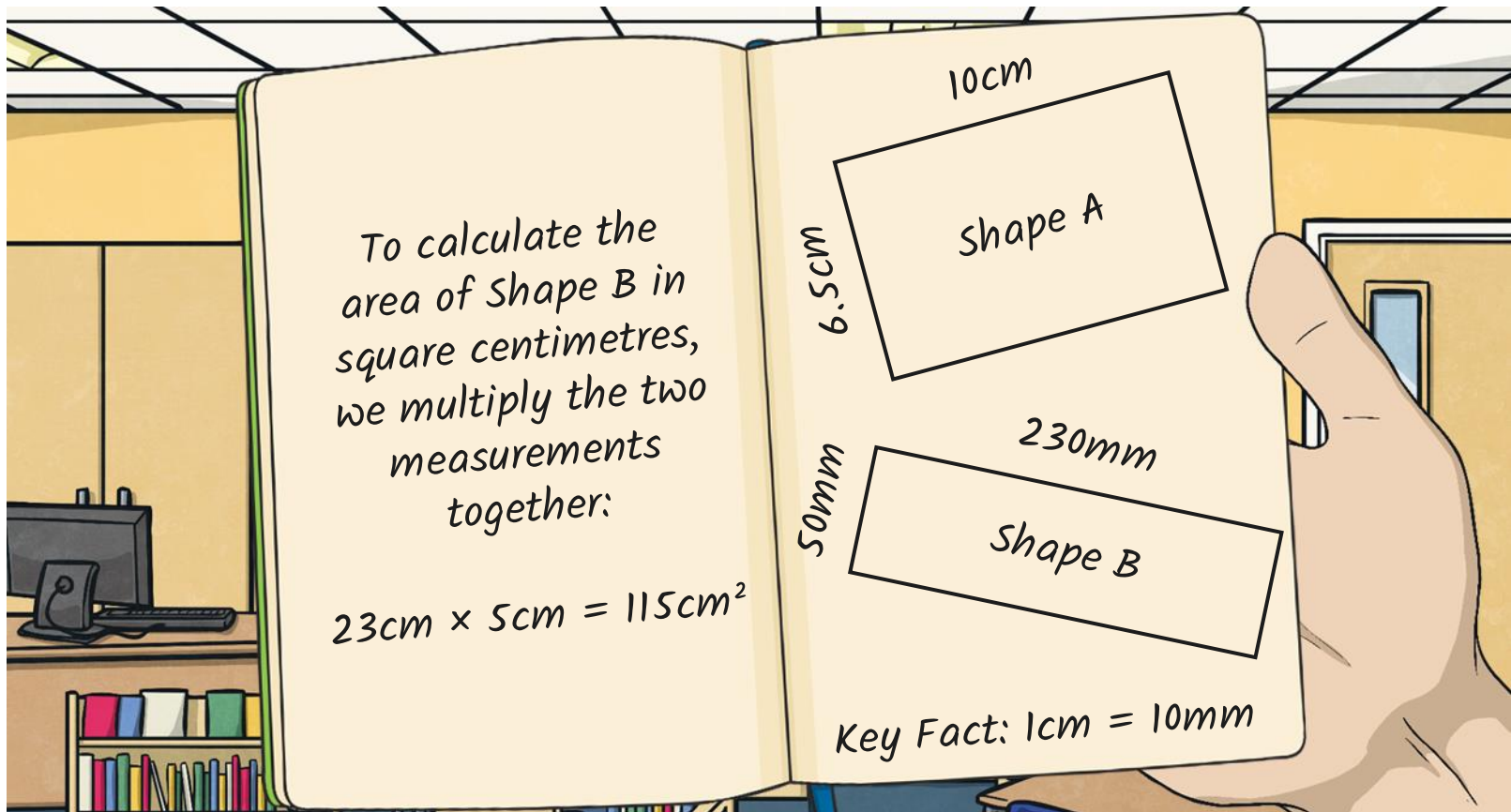
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Comparing and Converting



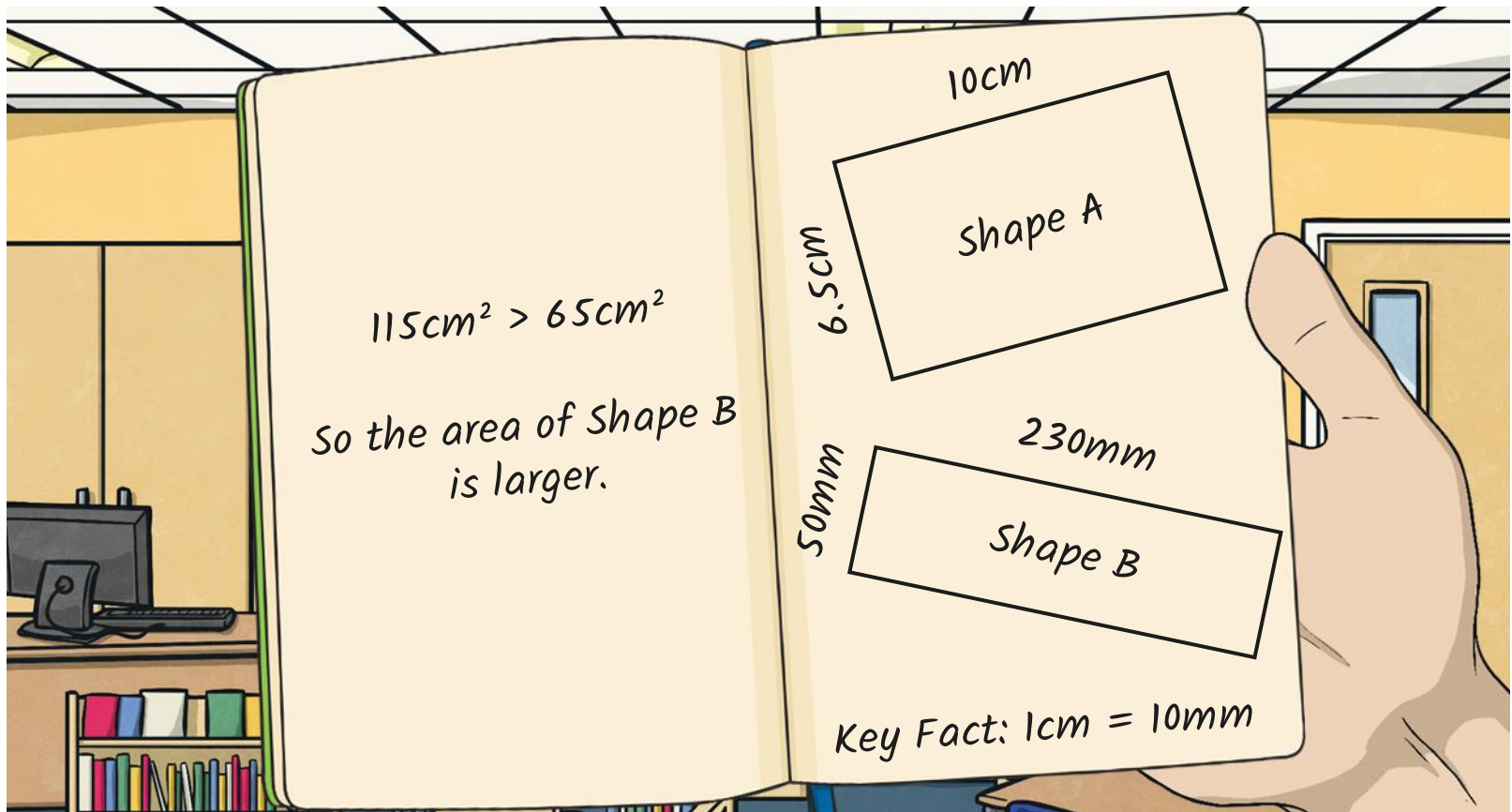
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Comparing and Converting



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The shapes are not all drawn to the same scale.



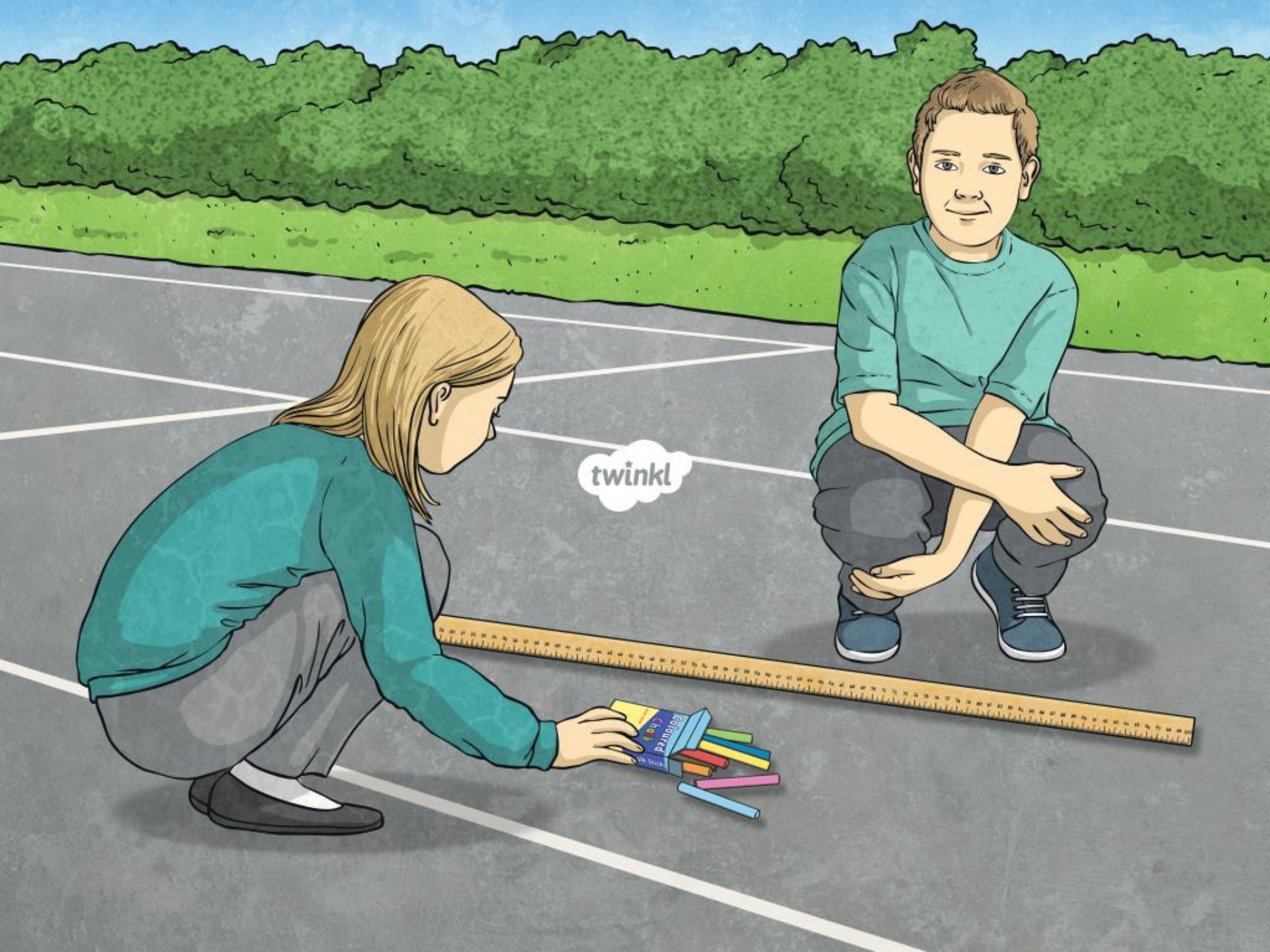
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