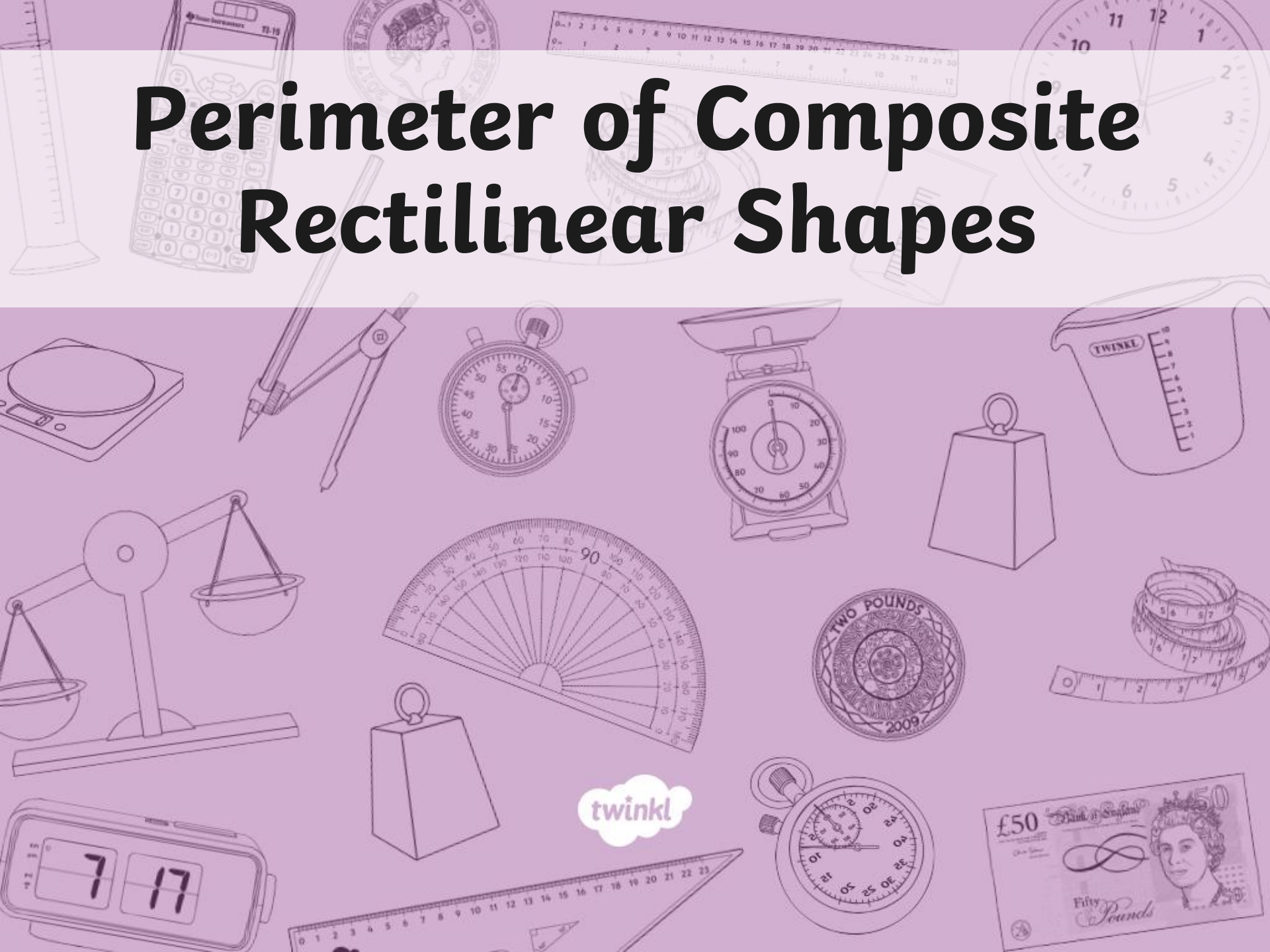


# Perimeter of Composite Rectilinear Shapes



# Aim

- I can calculate the perimeter of composite rectilinear shapes.

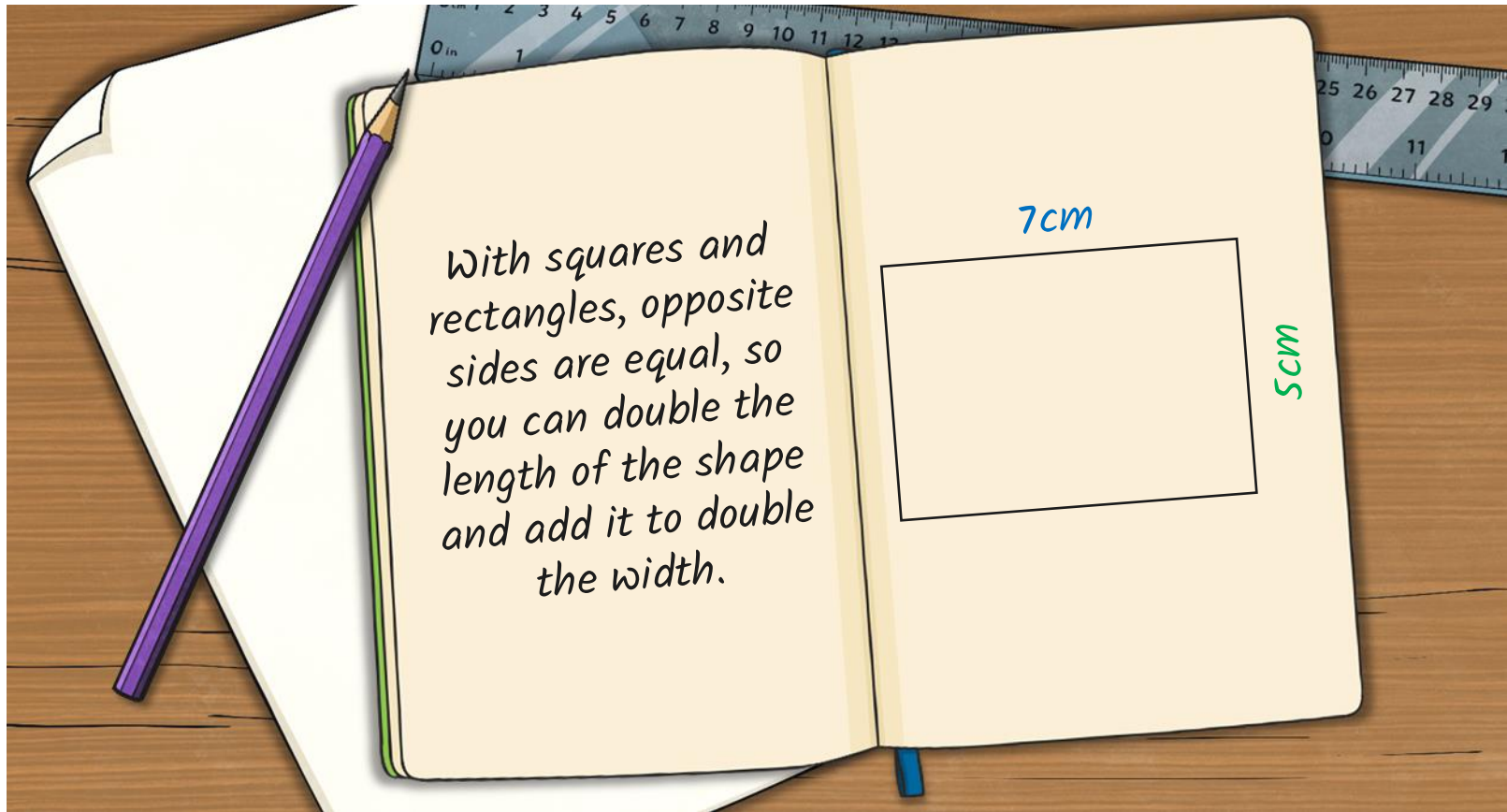
# Success Criteria

- I can calculate the perimeter of composite rectilinear shapes by adding the length of the sides.
- I can draw different composite rectilinear shapes to a given perimeter.
- I can use reasoning to answer questions about the perimeter of rectilinear shapes.

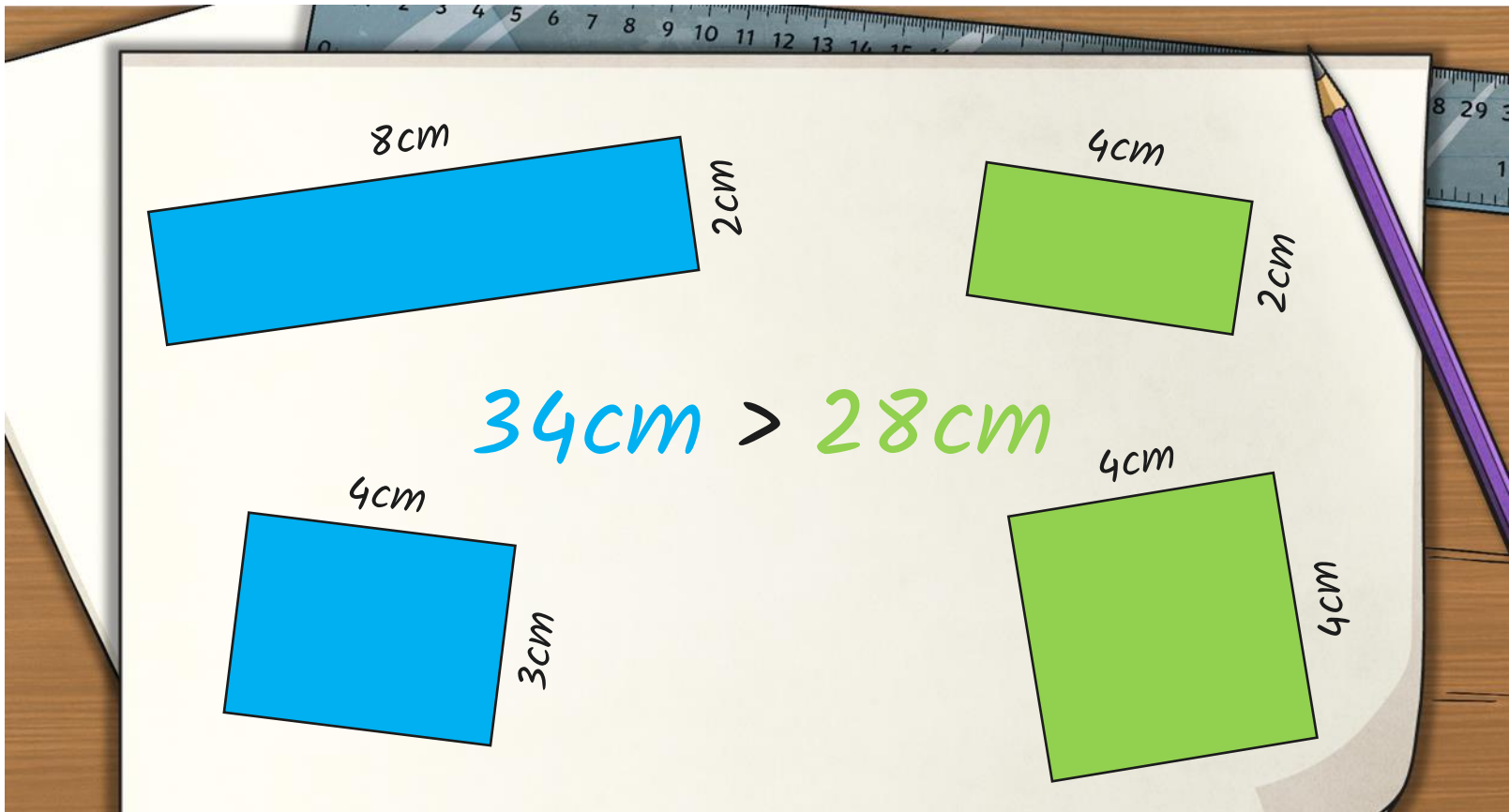
# Comparing Perimeters



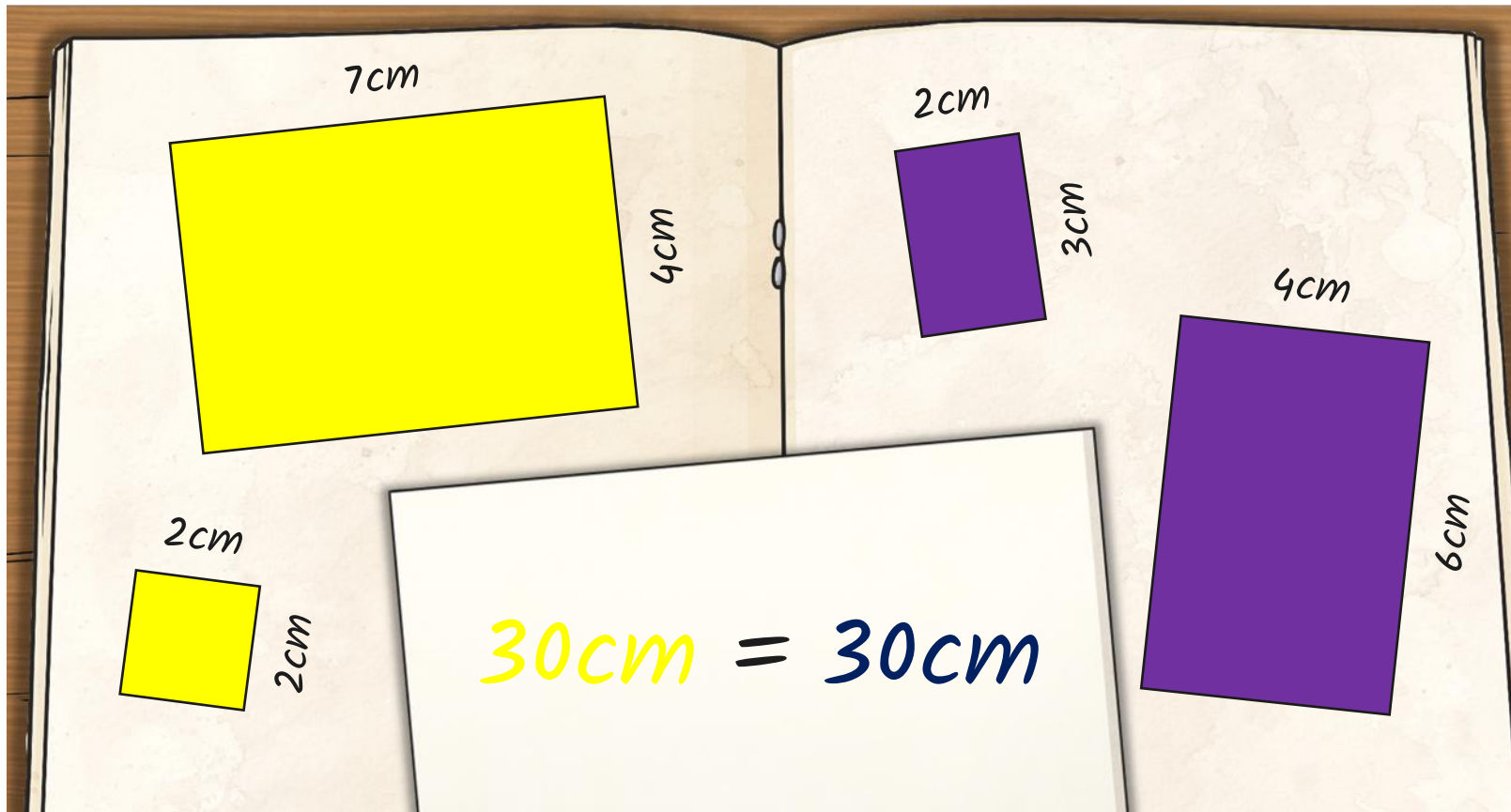
To calculate the perimeter of a shape, you need to add the lengths of all the sides together.



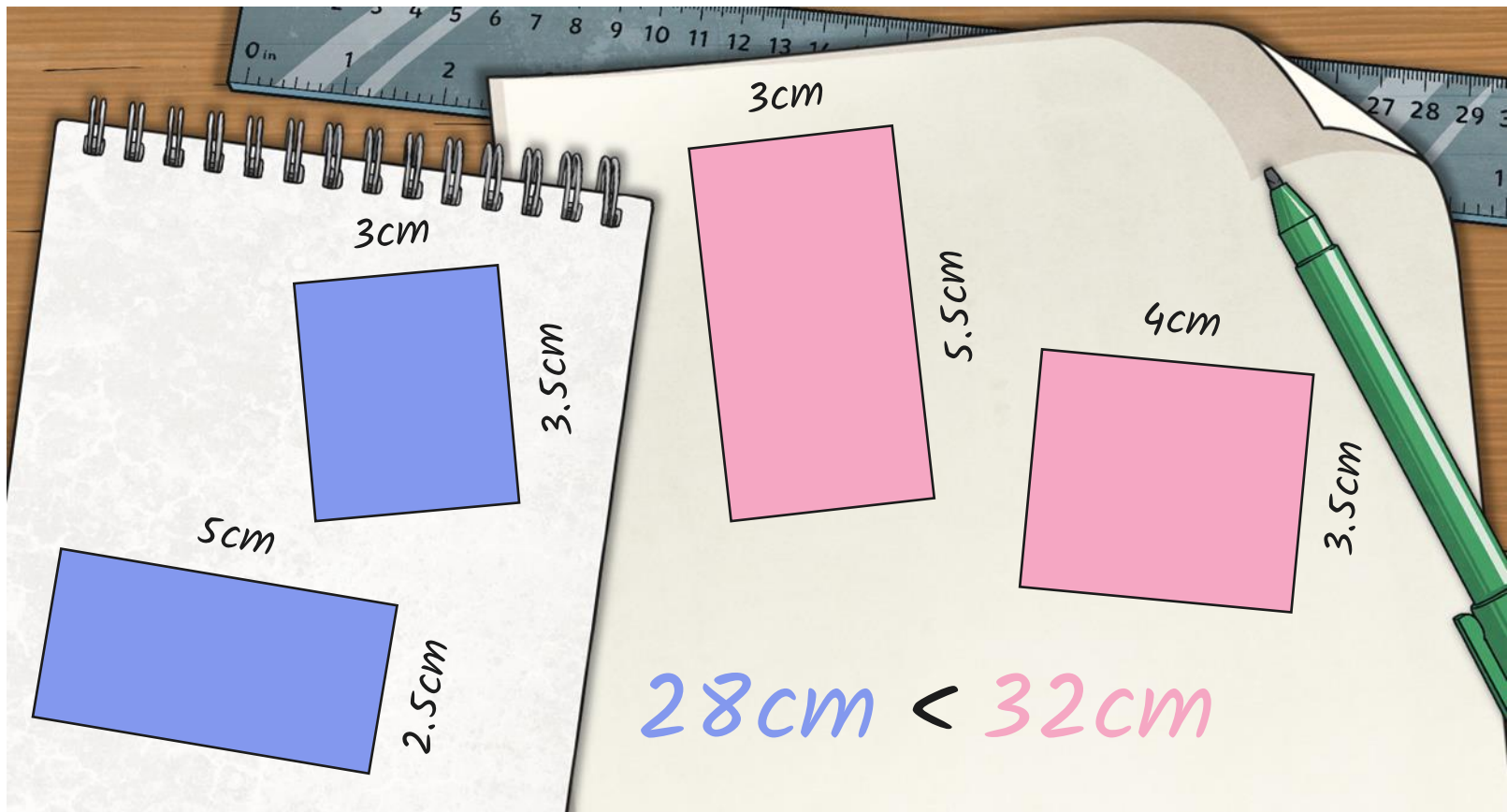
# Comparing Perimeters



# Comparing Perimeters



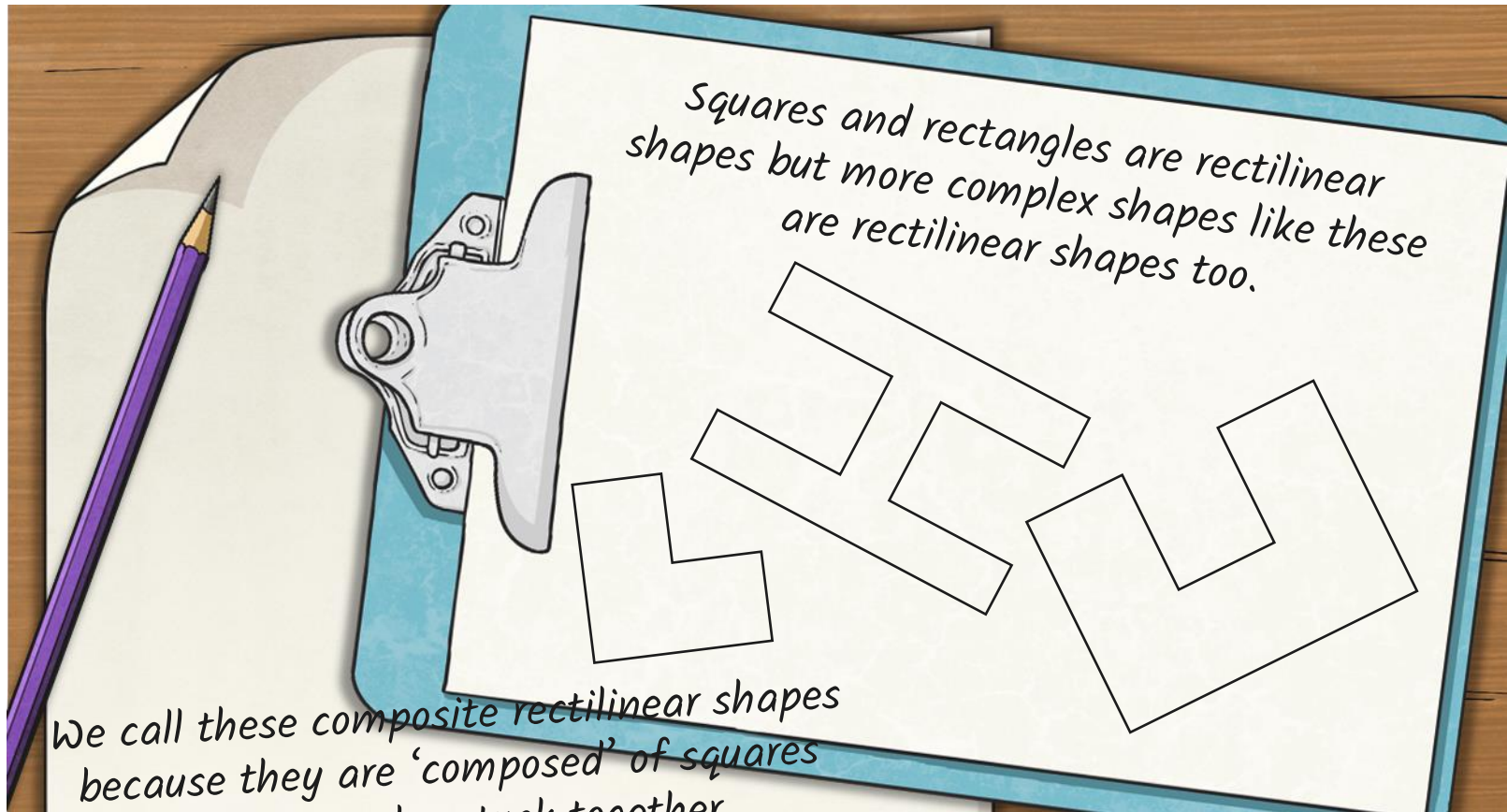
# Comparing Perimeters



# Composite Rectilinear Shapes



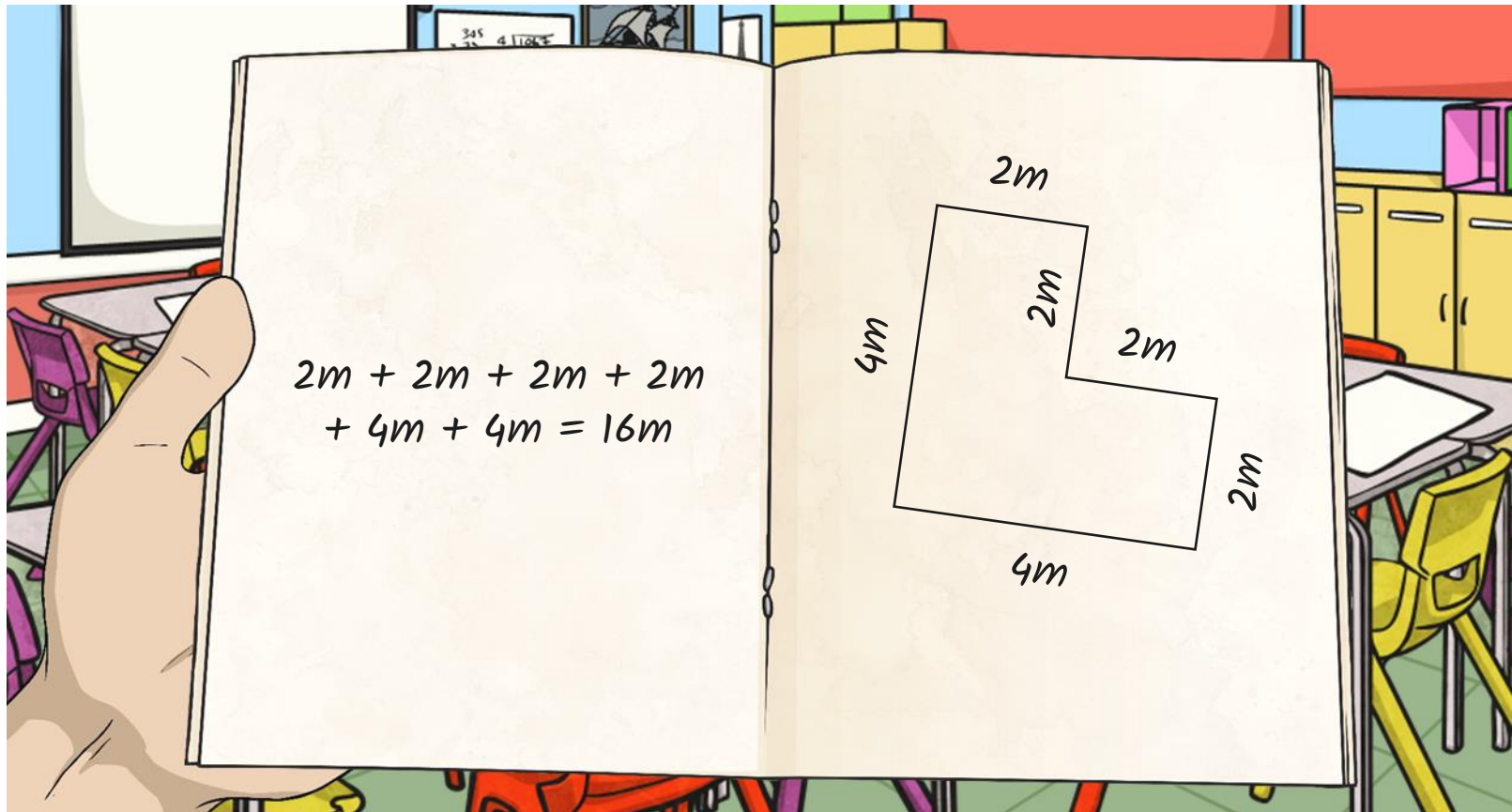
A rectilinear shape is a shape where all the sides meet at right angles.



# Composite Rectilinear Shapes

Whole Class

Let's look at one of these shapes and calculate the perimeter:





# Composite Rectilinear Shapes



Let's look at another of these shapes and calculate the perimeter:

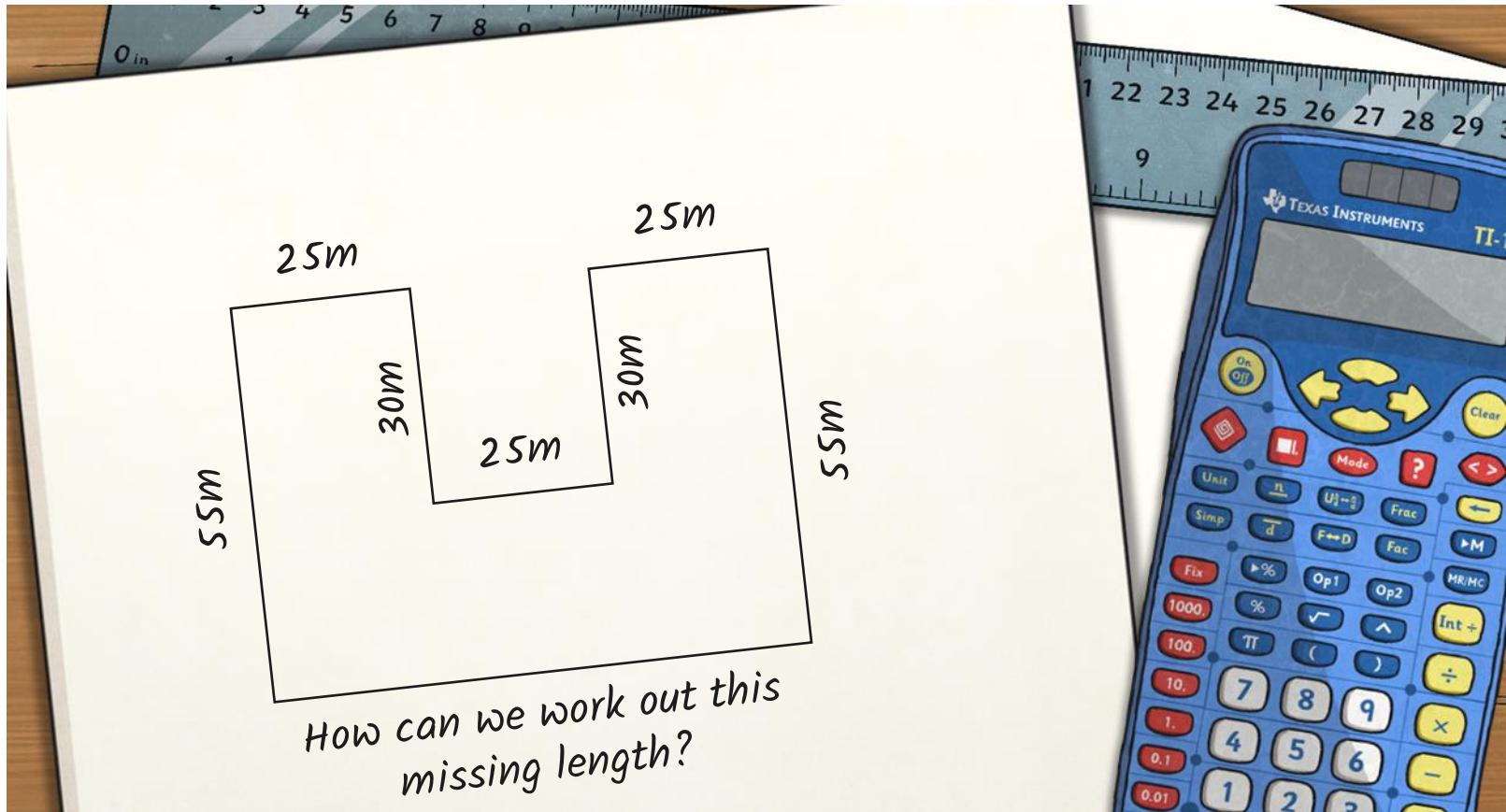
*This length must be 60m as it is the same length as the one directly above.*

$$\begin{aligned} &60\text{cm} + 10\text{cm} + 25\text{cm} + 20\text{cm} + 25\text{cm} \\ &+ 10\text{cm} + 60\text{cm} + 10\text{cm} + 25\text{cm} + 20\text{cm} \\ &+ 25\text{cm} + 10\text{cm} = 300\text{cm} \end{aligned}$$

# Composite Rectilinear Shapes



What is the perimeter of this shape?



# Composite Rectilinear Shapes



What is the perimeter of this shape?

55m

25m

30m

25m

30m

25m

55m

Work out this length by  
adding  $25\text{m} + 25\text{m} + 25\text{m}$   
 $= 75\text{m}$

# Composite Rectilinear Shapes



What is the perimeter of this shape?

