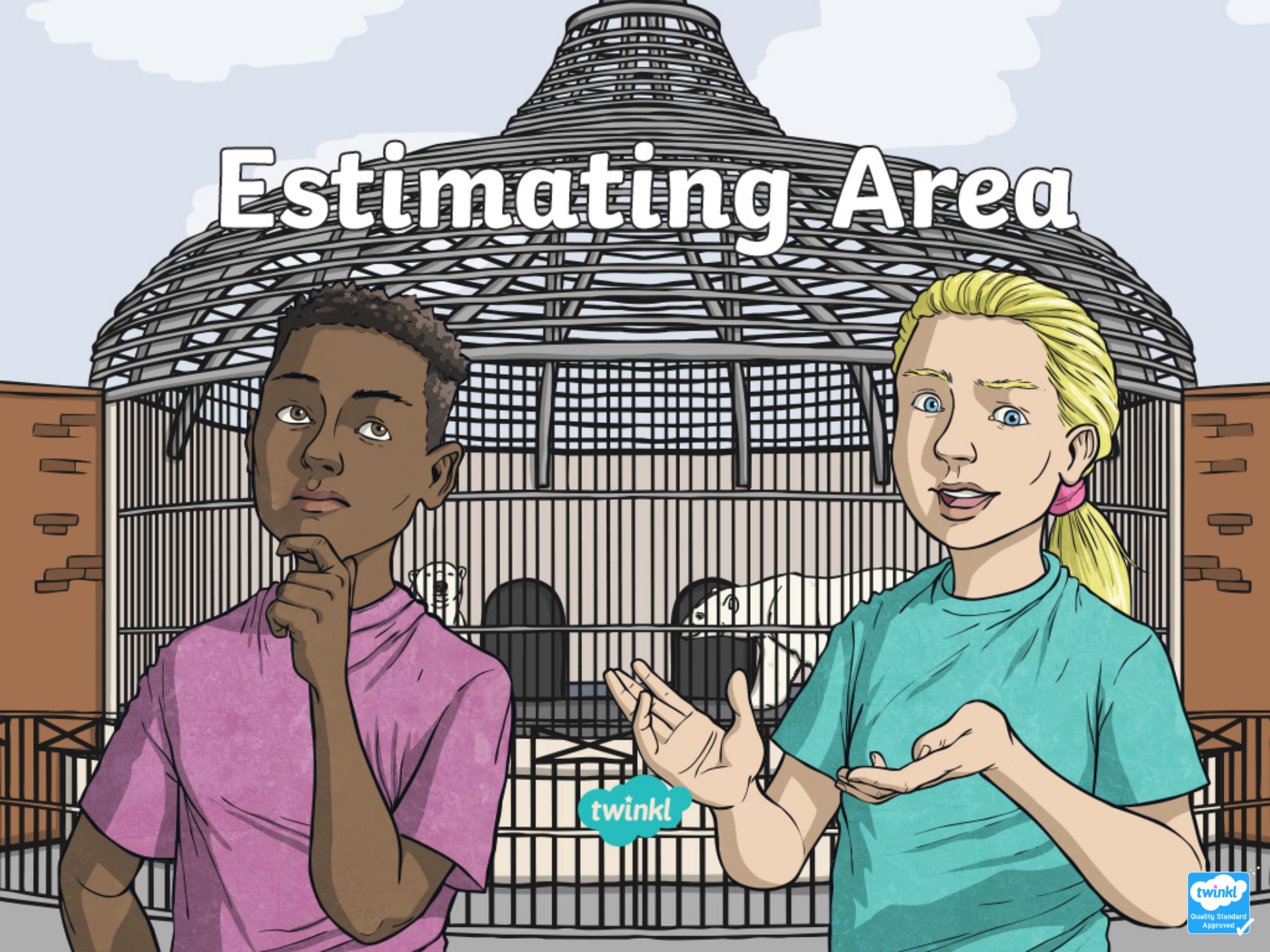
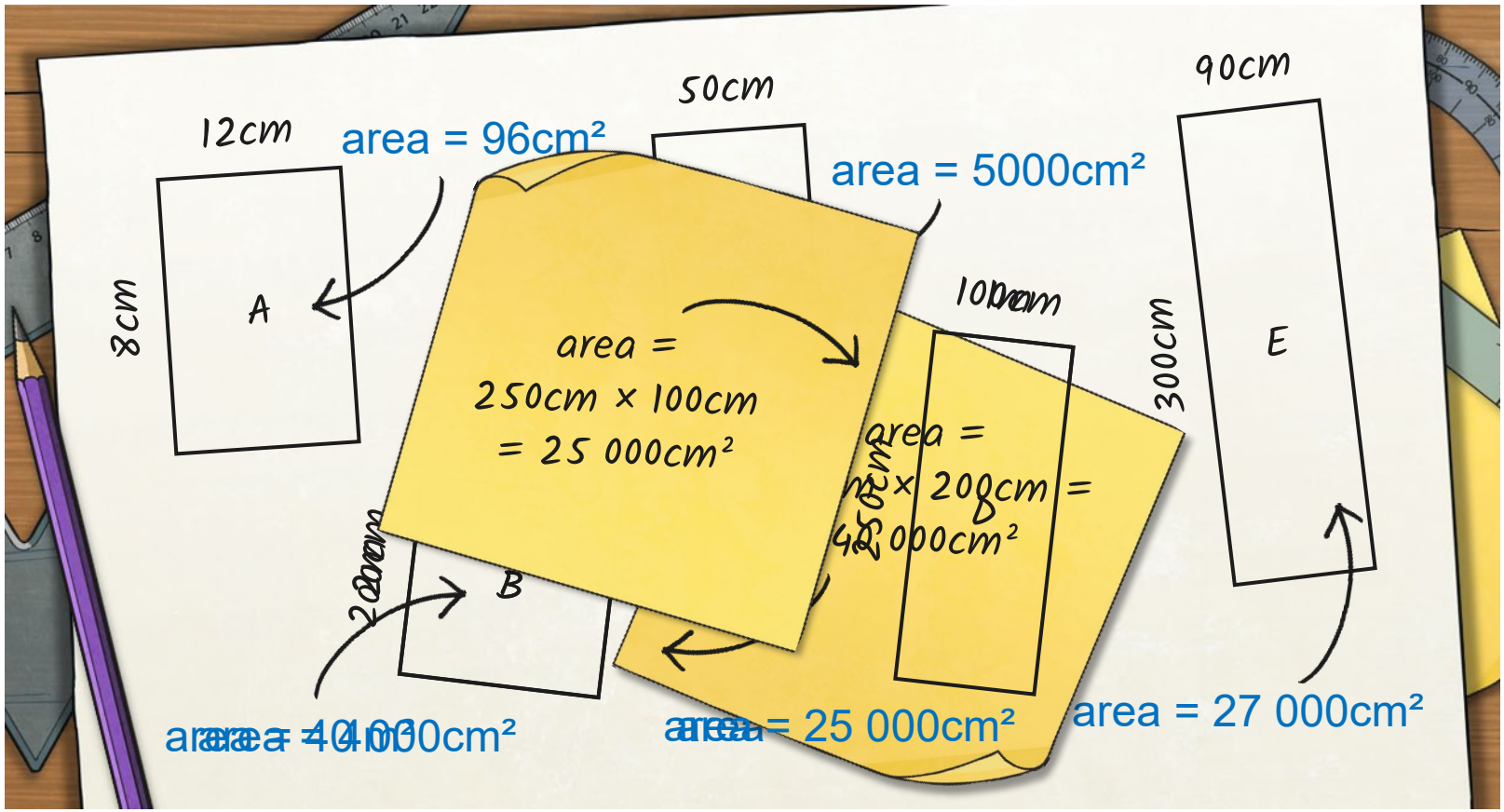

Estimating Area
twinkl
twinkl
Quality Standard
Approved

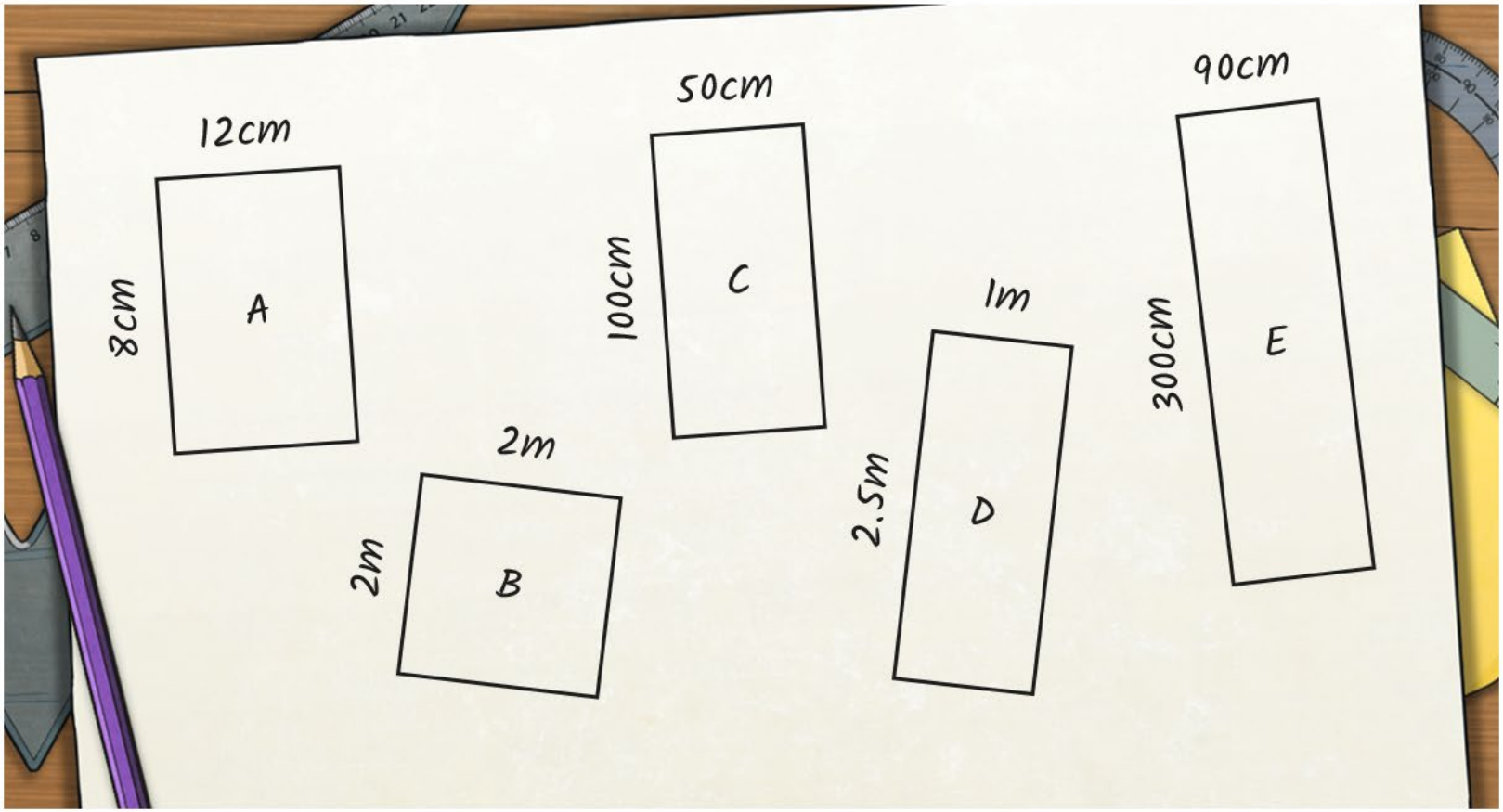
# Order, Order!

Here are some different shapes. Calculate their area and order them from smallest to largest area. The shapes are not drawn to scale.



# Order, Order!

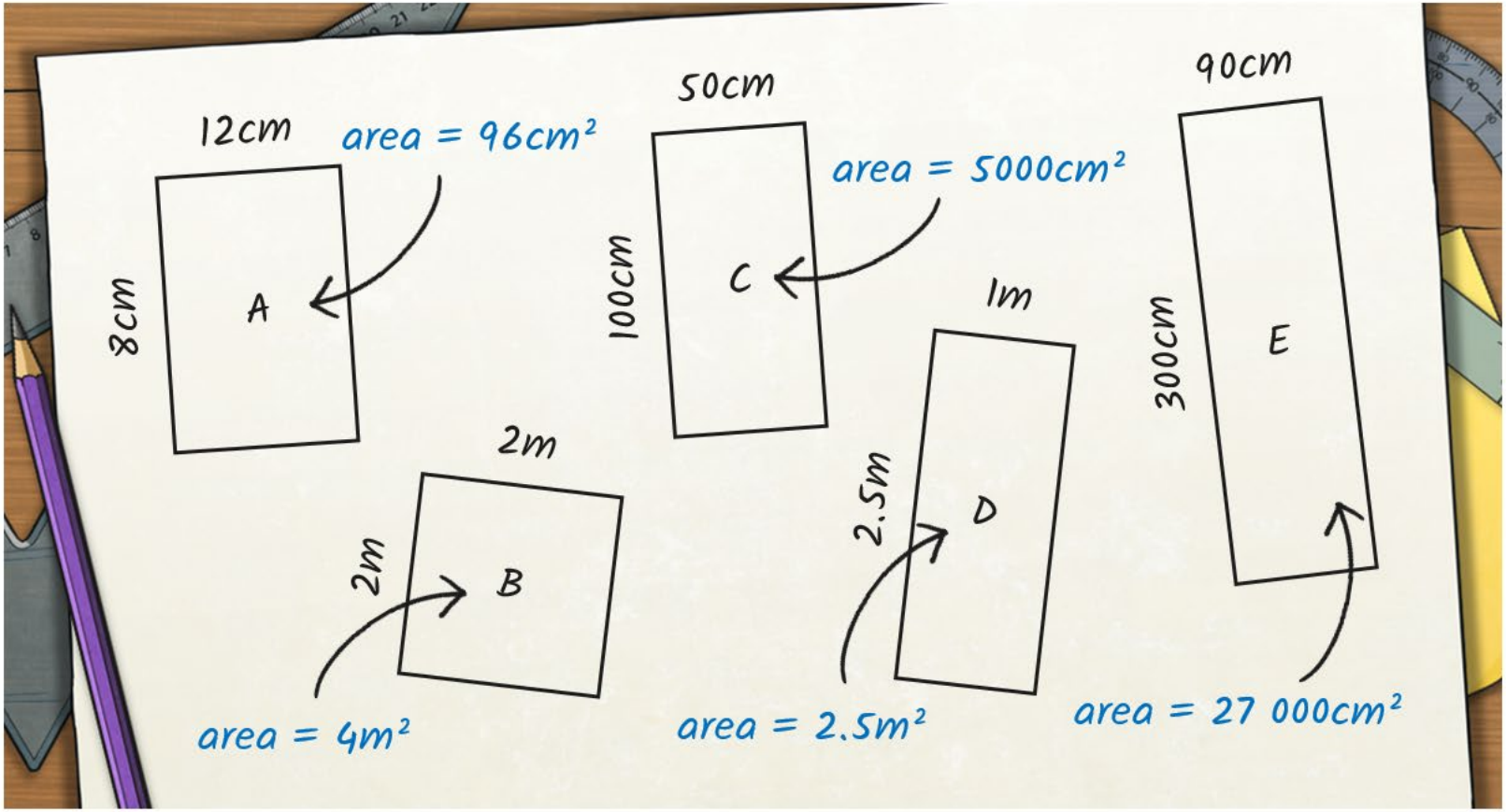
Here are some different shapes. Calculate their area and order them from smallest to largest area. The shapes are not drawn to scale.




twinkl.com

# Order, Order!

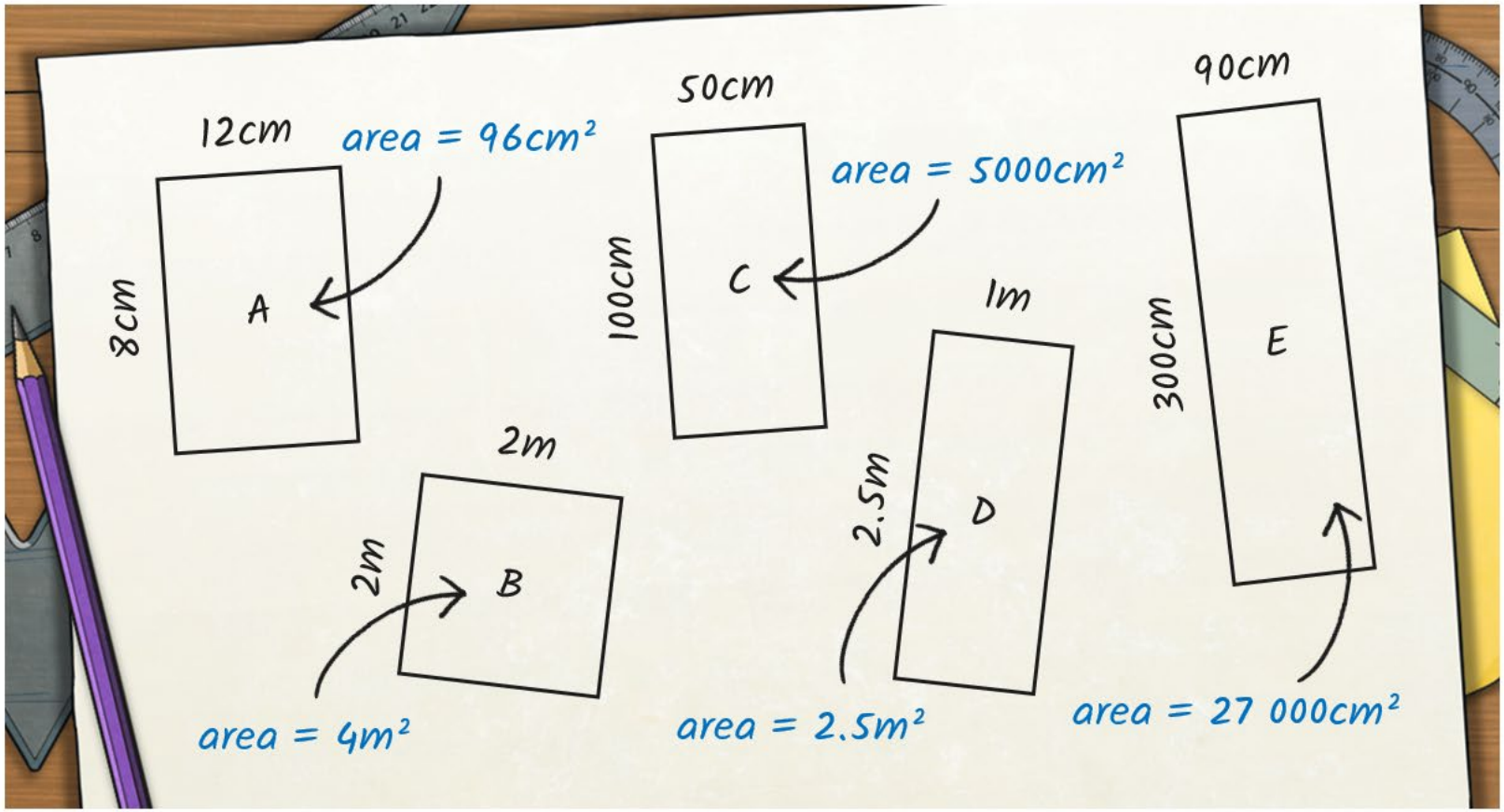
Here are some different shapes. Calculate their area and order them from smallest to largest area. The shapes are not drawn to scale.




twinkl.com

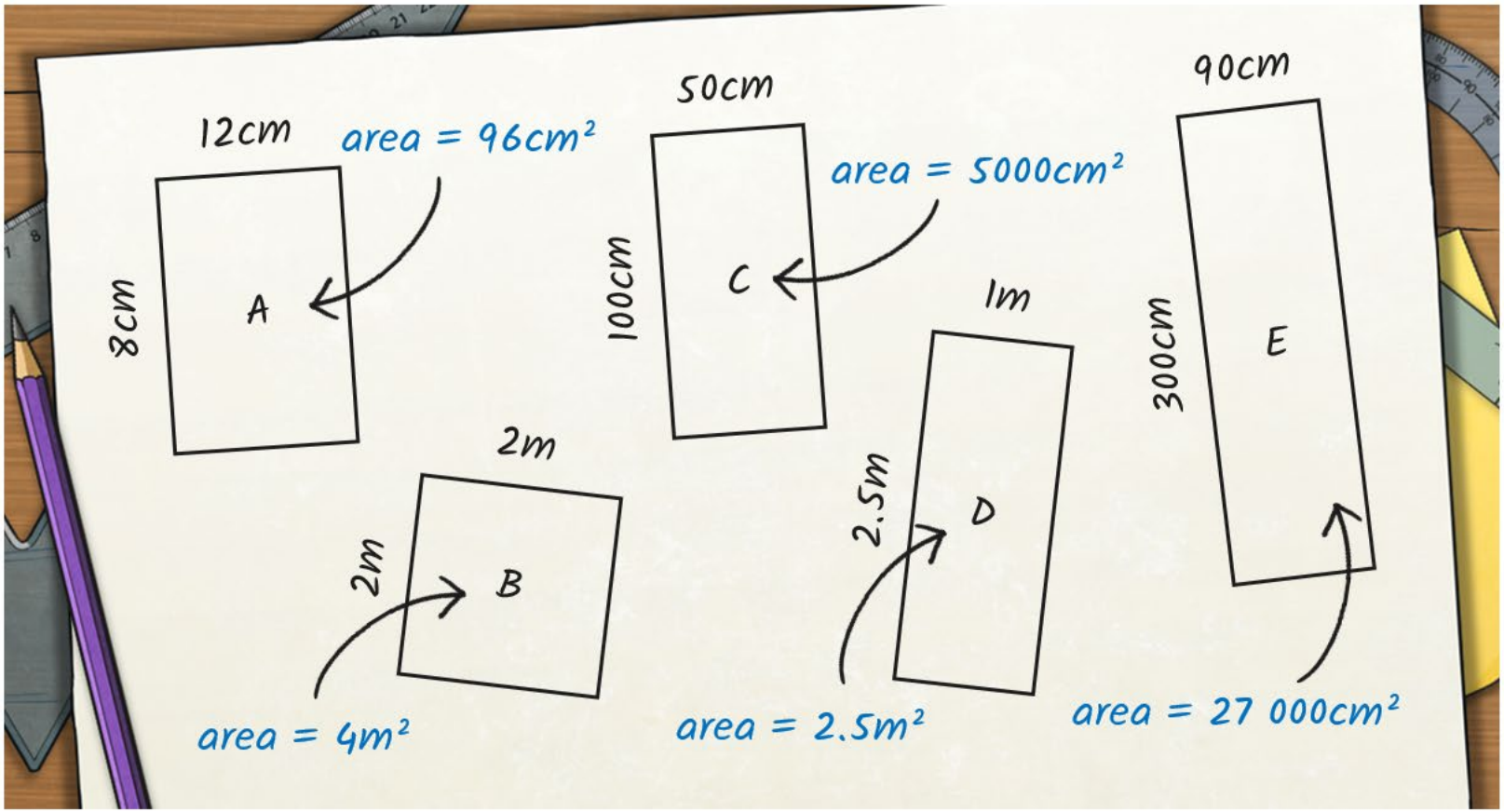
# Order, Order!

How can we convert metres to centimetres?



# Order, Order!

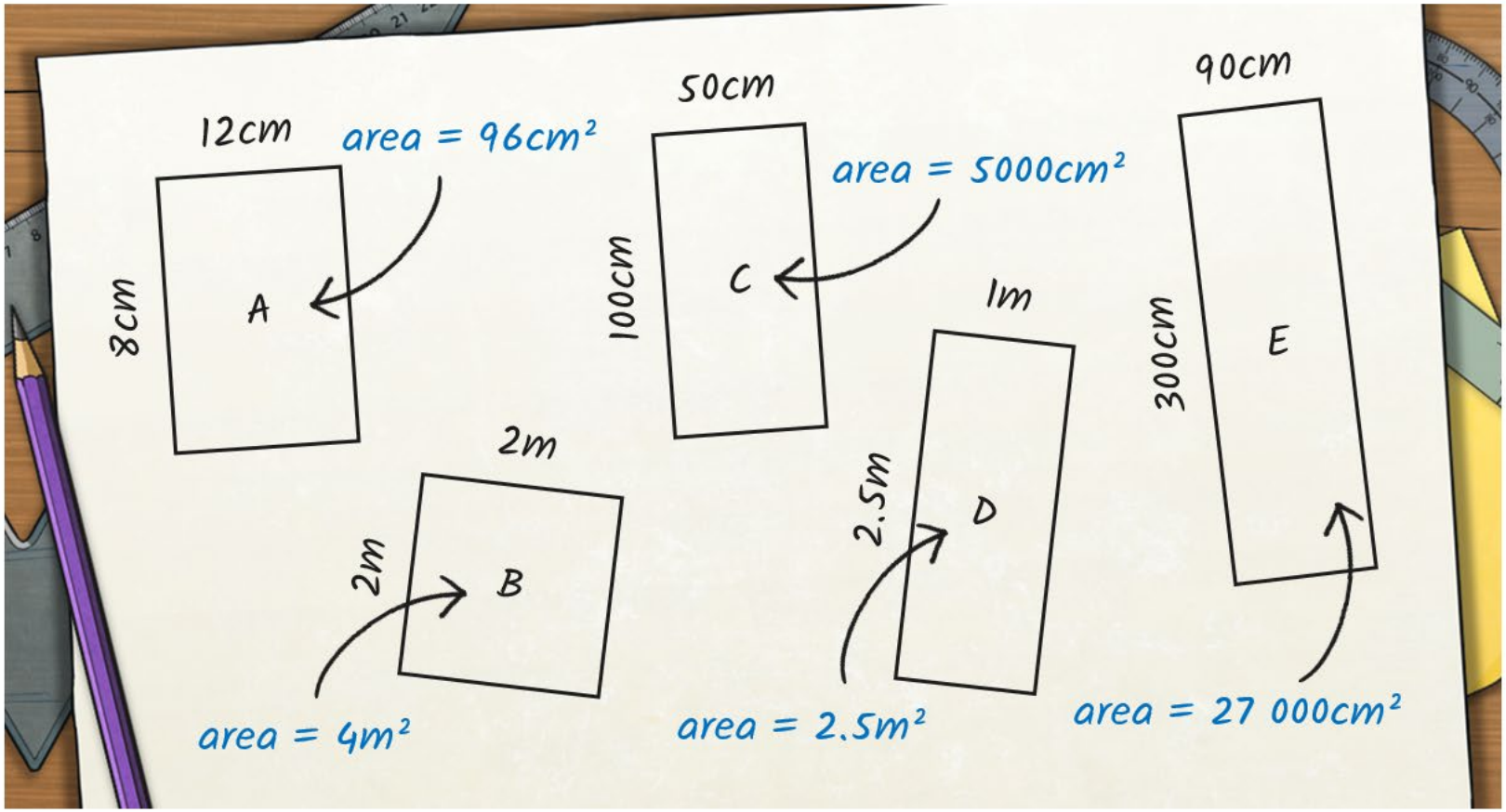
We convert metres to centimetres by multiplying the measurements by 100.




twinkl.com

# Order, Order!

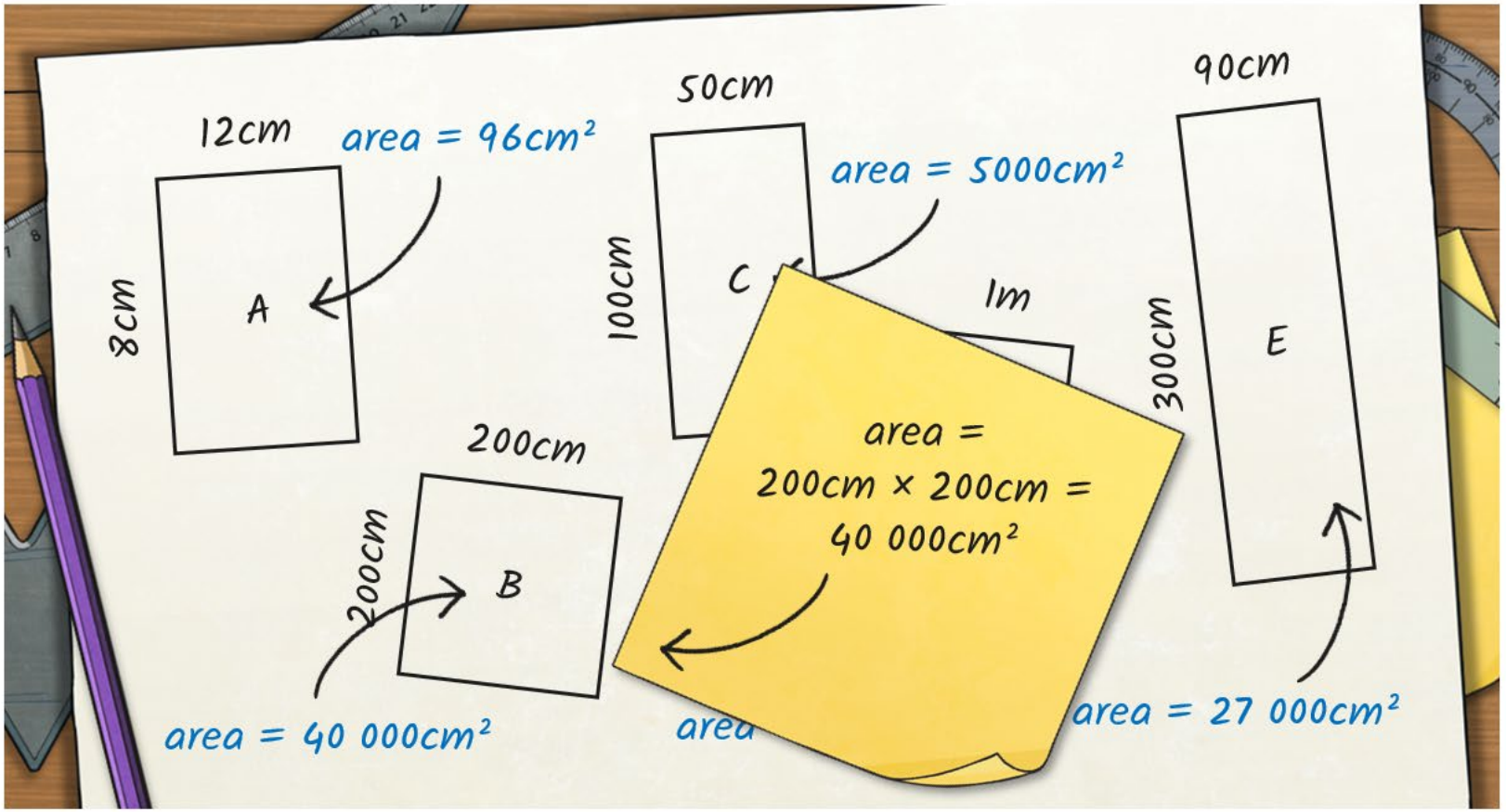
We convert metres to centimetres by multiplying the measurements by 100.




twinkl.com

# Order, Order!

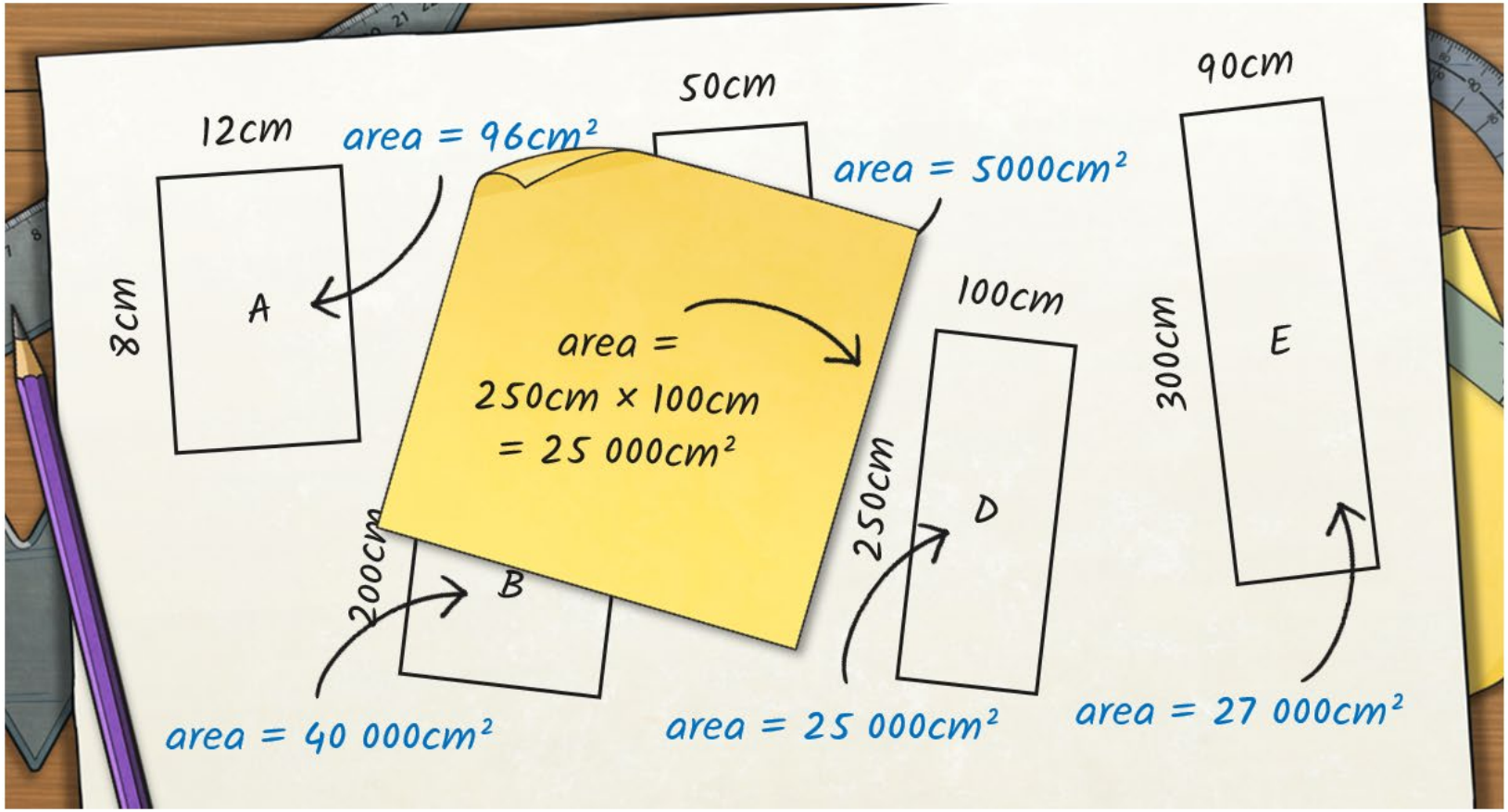
Then we can find the area in centimetres and order the shapes by area.




twinkl.com

# Order, Order!

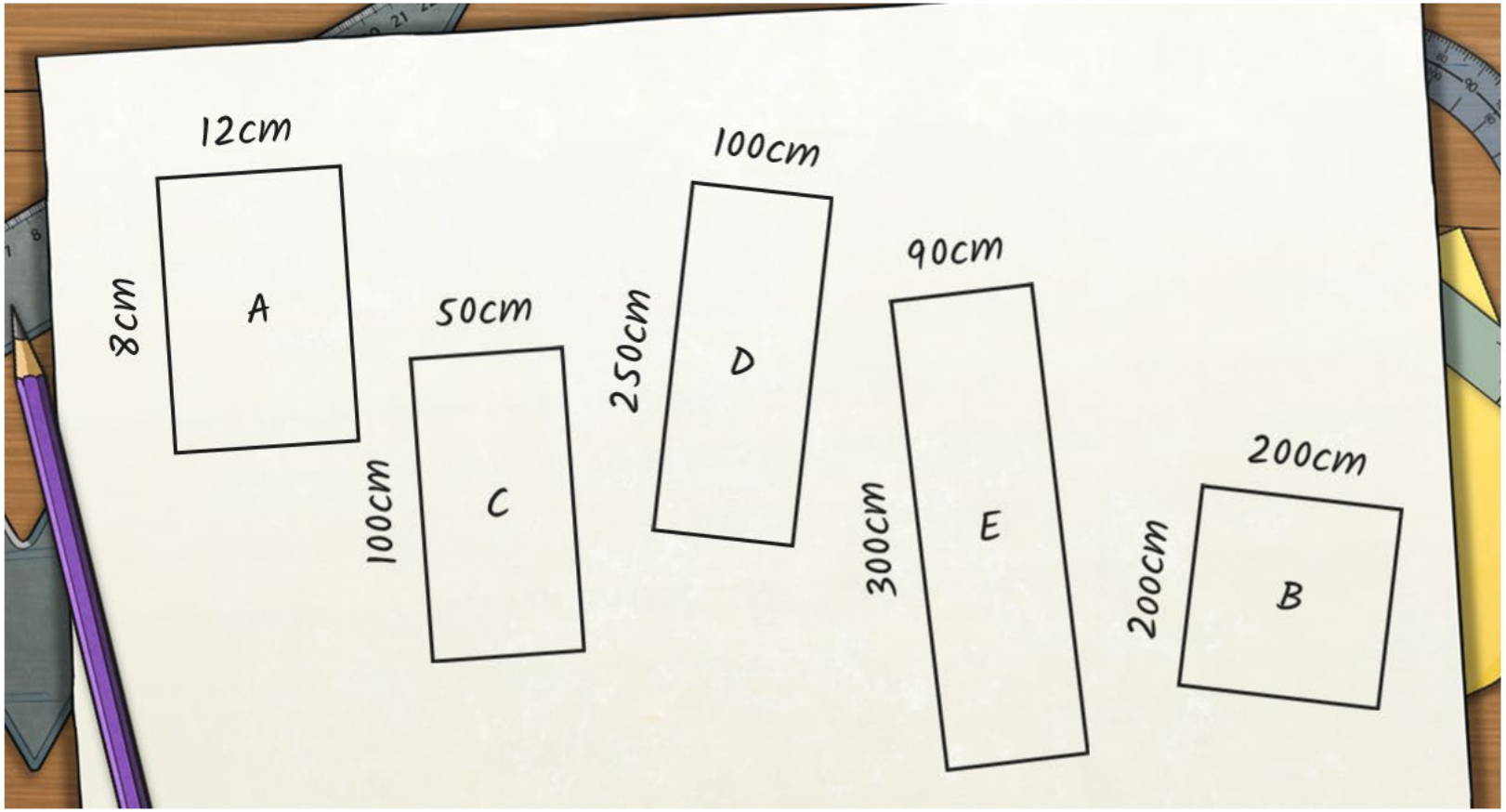
Then we can find the area in centimetres and order the shapes by area.




twinkl.com

# Order, Order!

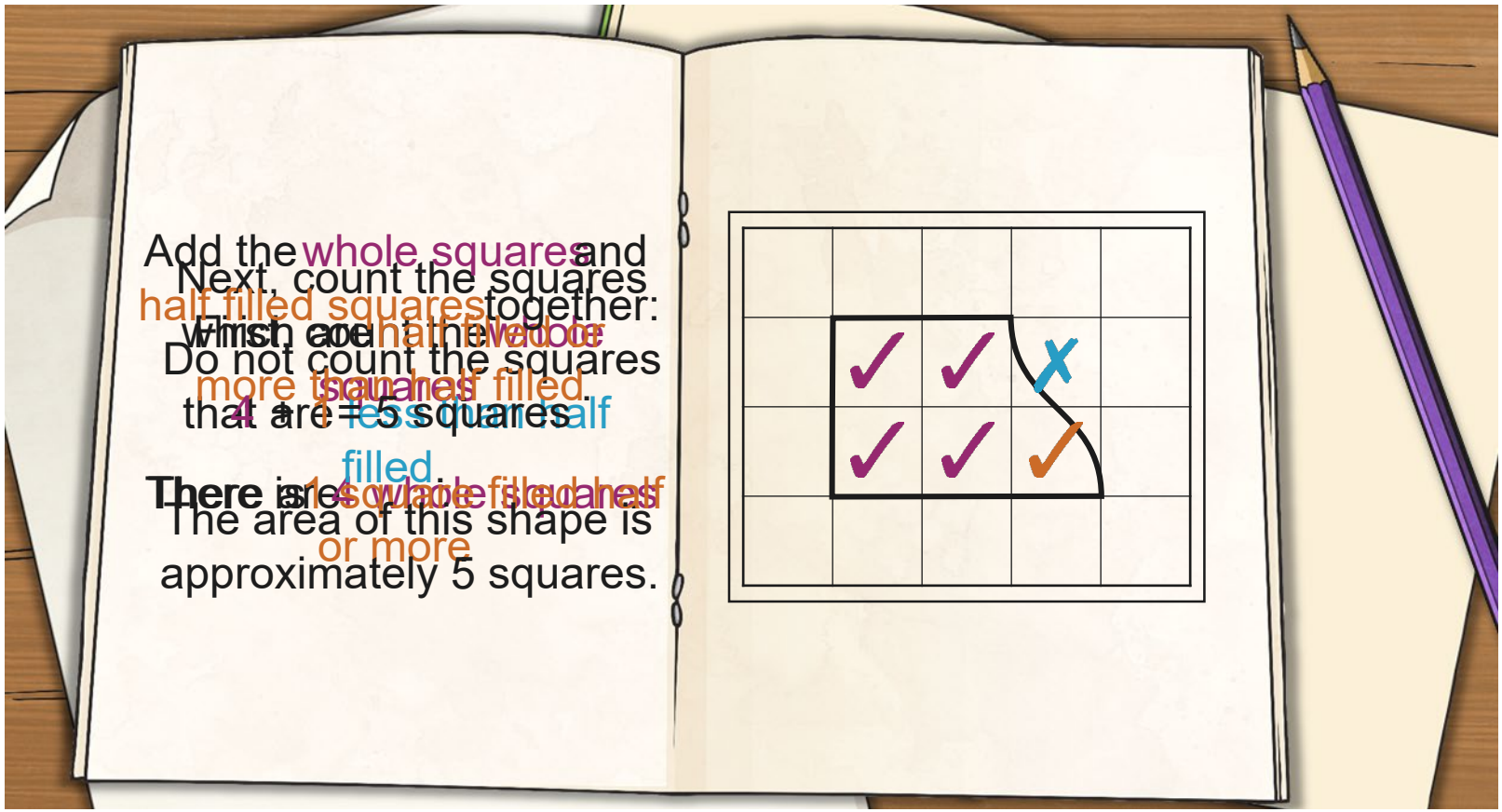
Order = A, C, D, E, B




twinkl.com

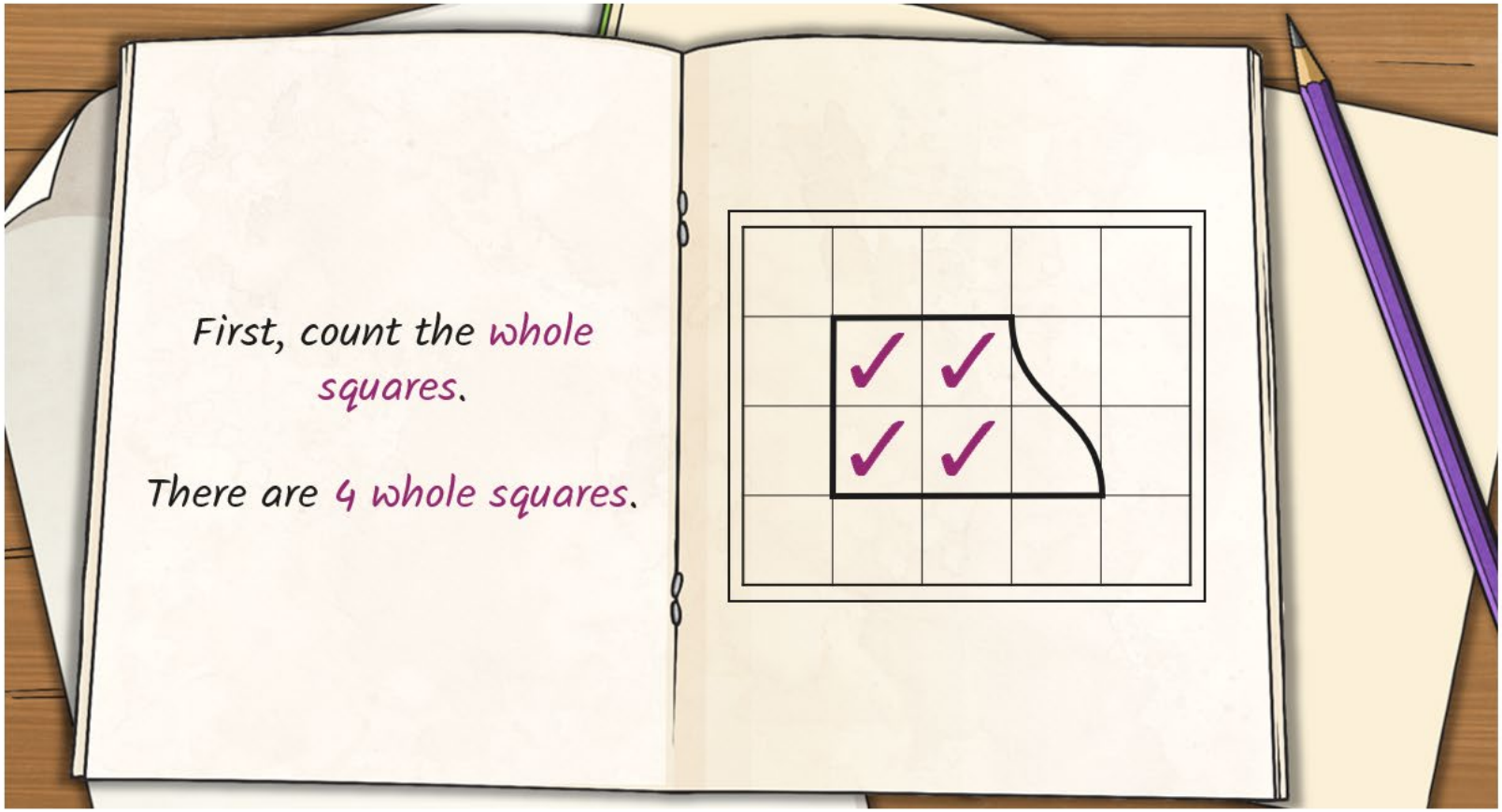
# Estimating the Area of Irregular Shapes

Here is an irregular shape. We can estimate the area by counting squares.



# Estimating the Area of Irregular Shapes

Here is an irregular shape. We can estimate the area by counting squares.



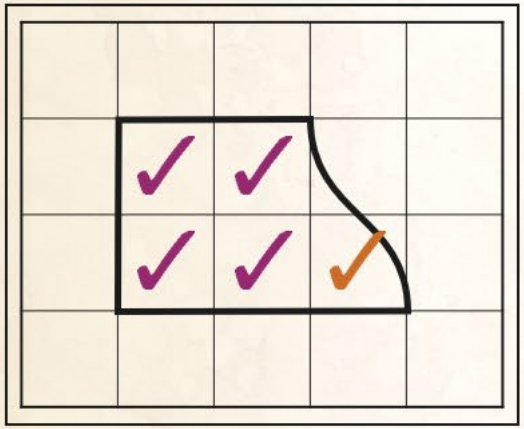

twinkl.com

# Estimating the Area of Irregular Shapes

Here is an irregular shape. We can estimate the area by counting squares.

Next, count the squares which are half filled or more than half filled.

There is 1 square filled half or more.

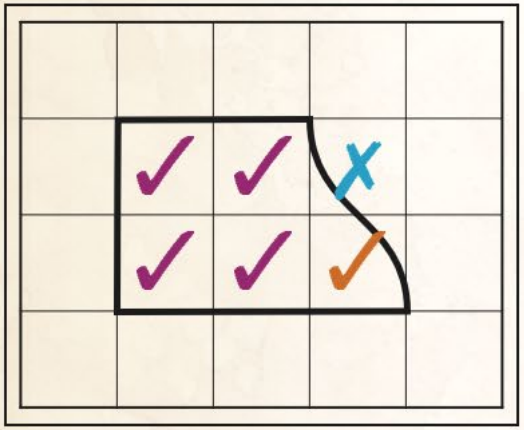


twinkl.com

# Estimating the Area of Irregular Shapes

Here is an irregular shape. We can estimate the area by counting squares.

Do not count the squares that are less than half filled.



twinkl.com

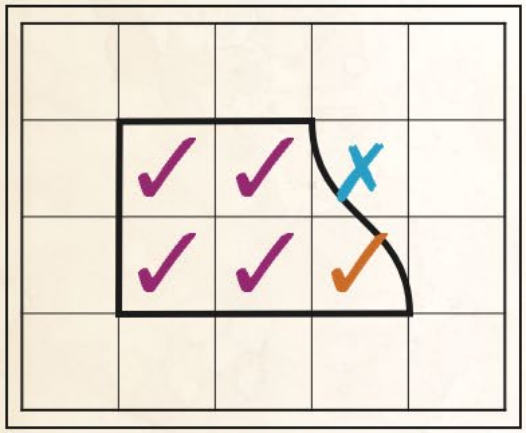
# Estimating the Area of Irregular Shapes

Here is an irregular shape. We can estimate the area by counting squares.

Add the whole squares and half filled squares together:

4 + 1 = 5 squares

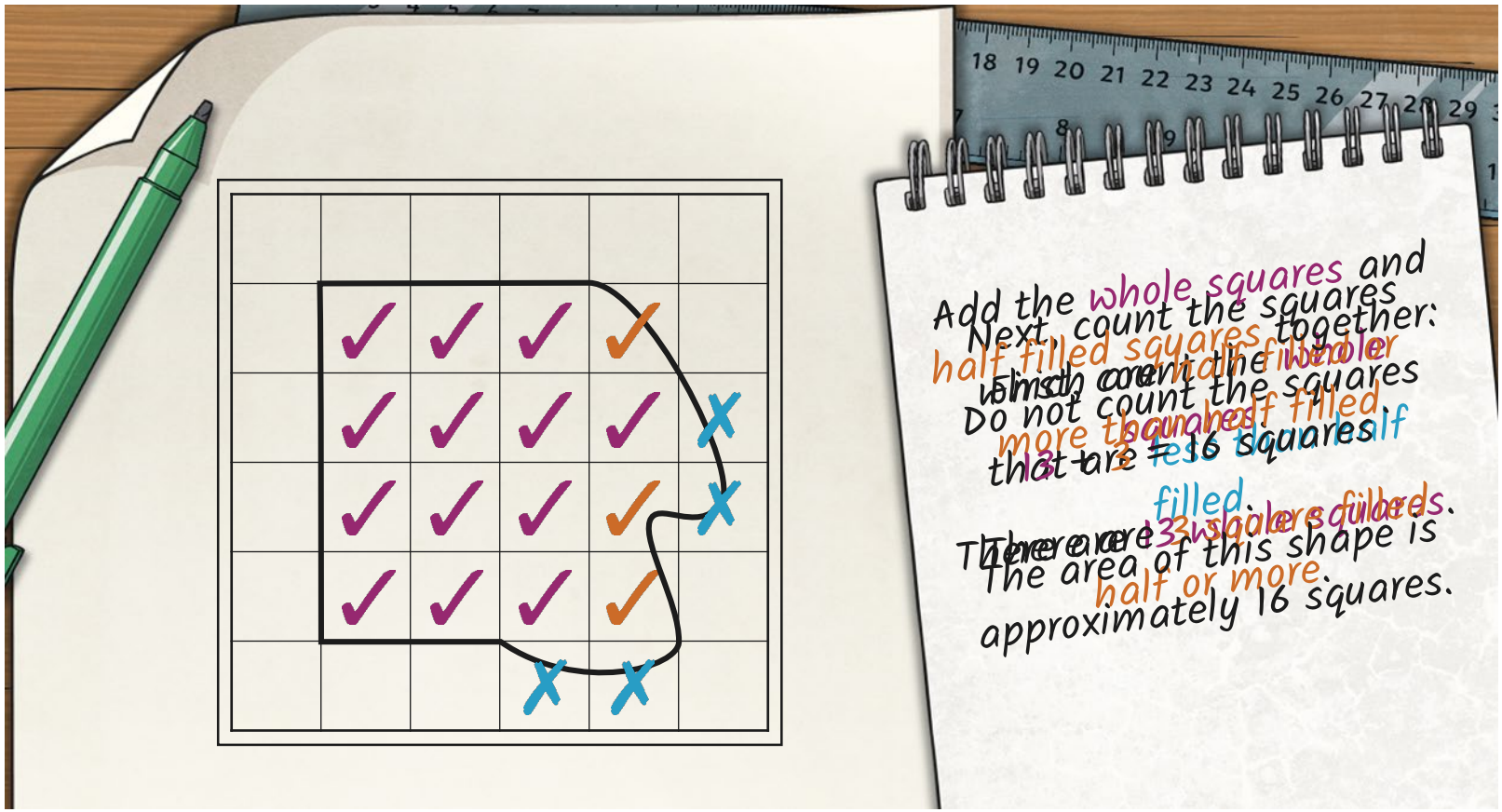
The area of this shape is approximately 5 squares.



twinkl.com

# Estimating the Area of Irregular Shapes

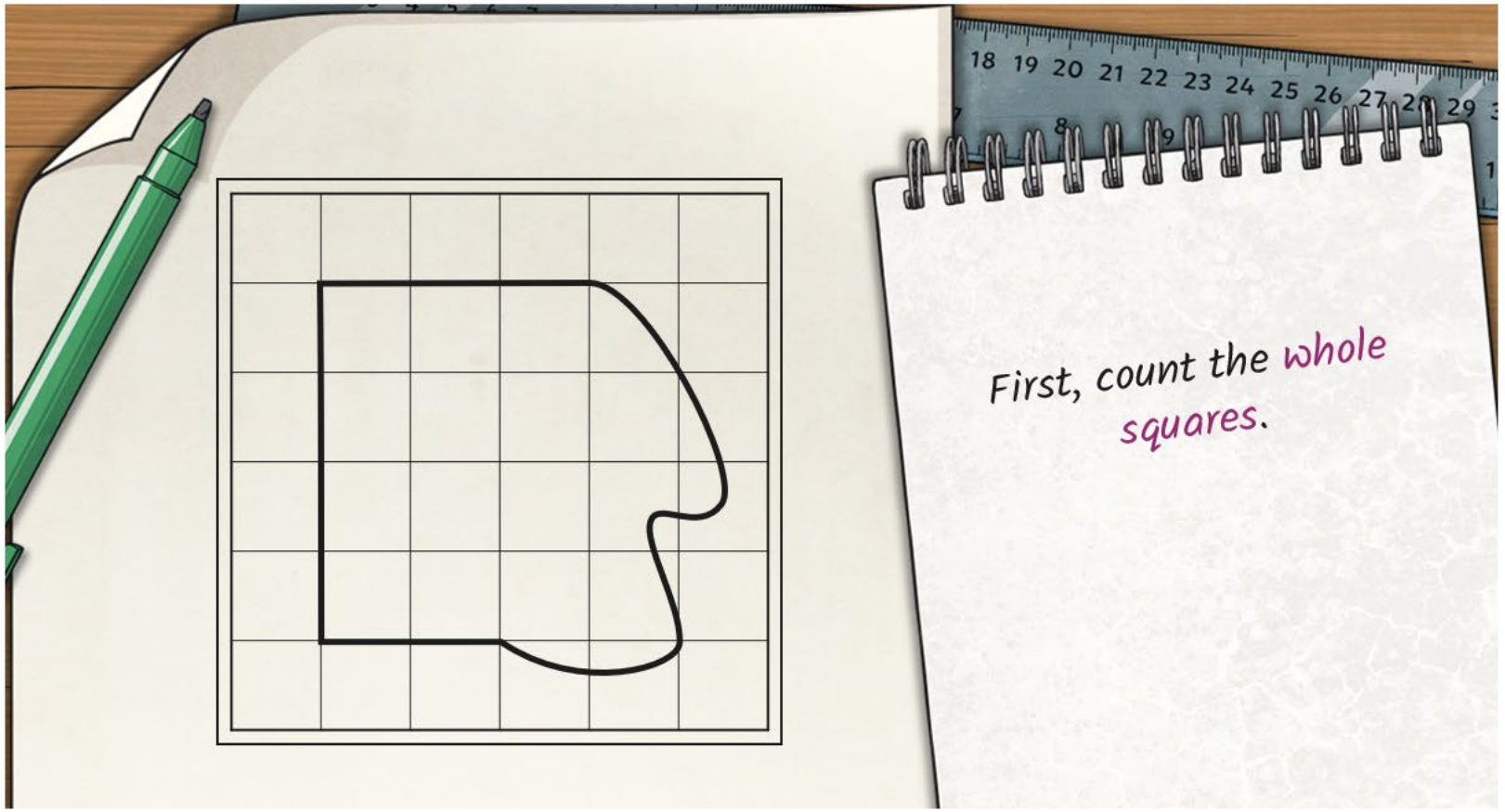
Here is another irregular shape.
We can estimate the area by counting squares in the same way.




twinkl.com

# Estimating the Area of Irregular Shapes

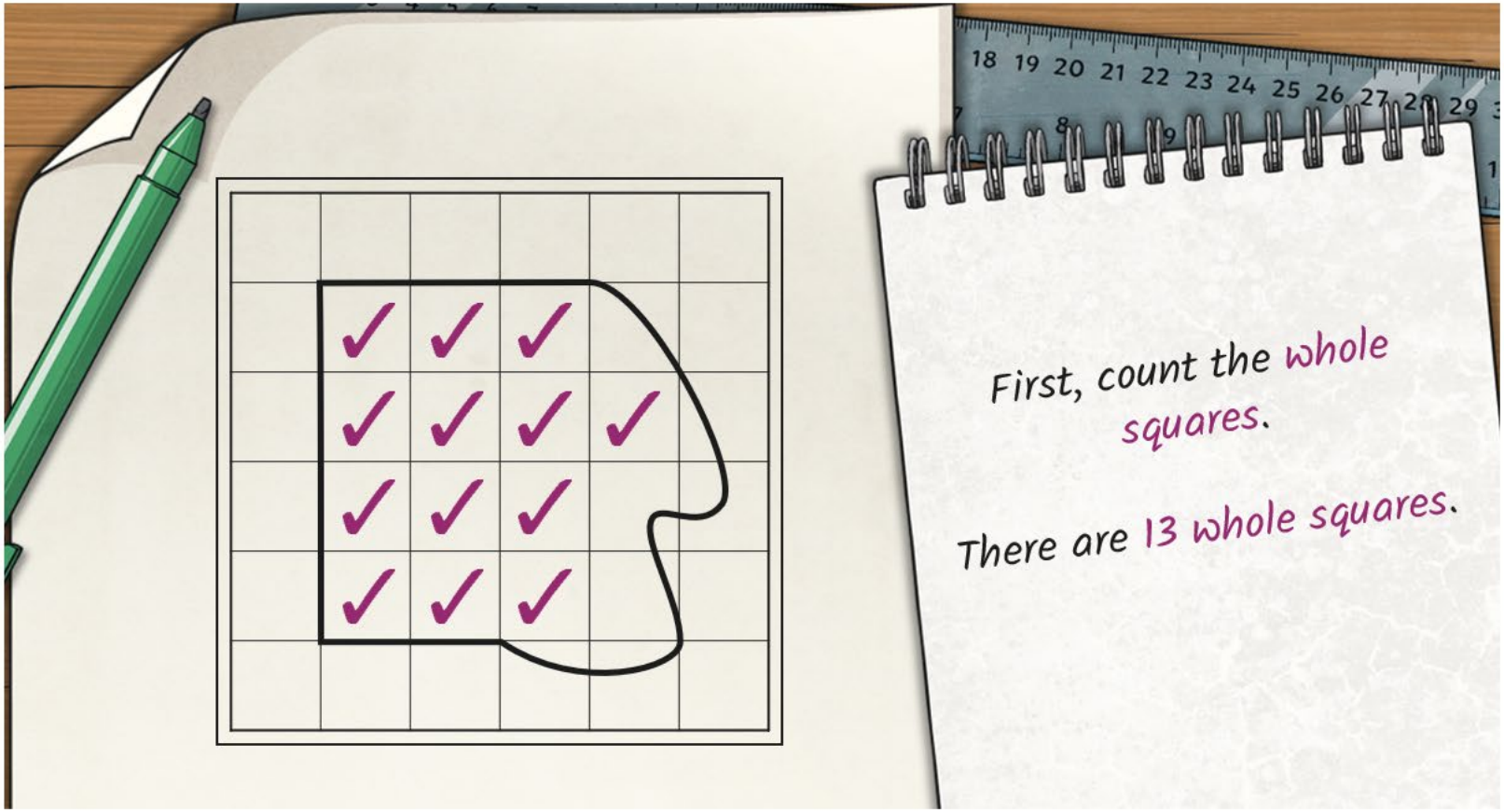
Here is another irregular shape.
We can estimate the area by counting squares in the same way.




twinkl.com

# Estimating the Area of Irregular Shapes

Here is another irregular shape.
We can estimate the area by counting squares in the same way.




twinkl.com

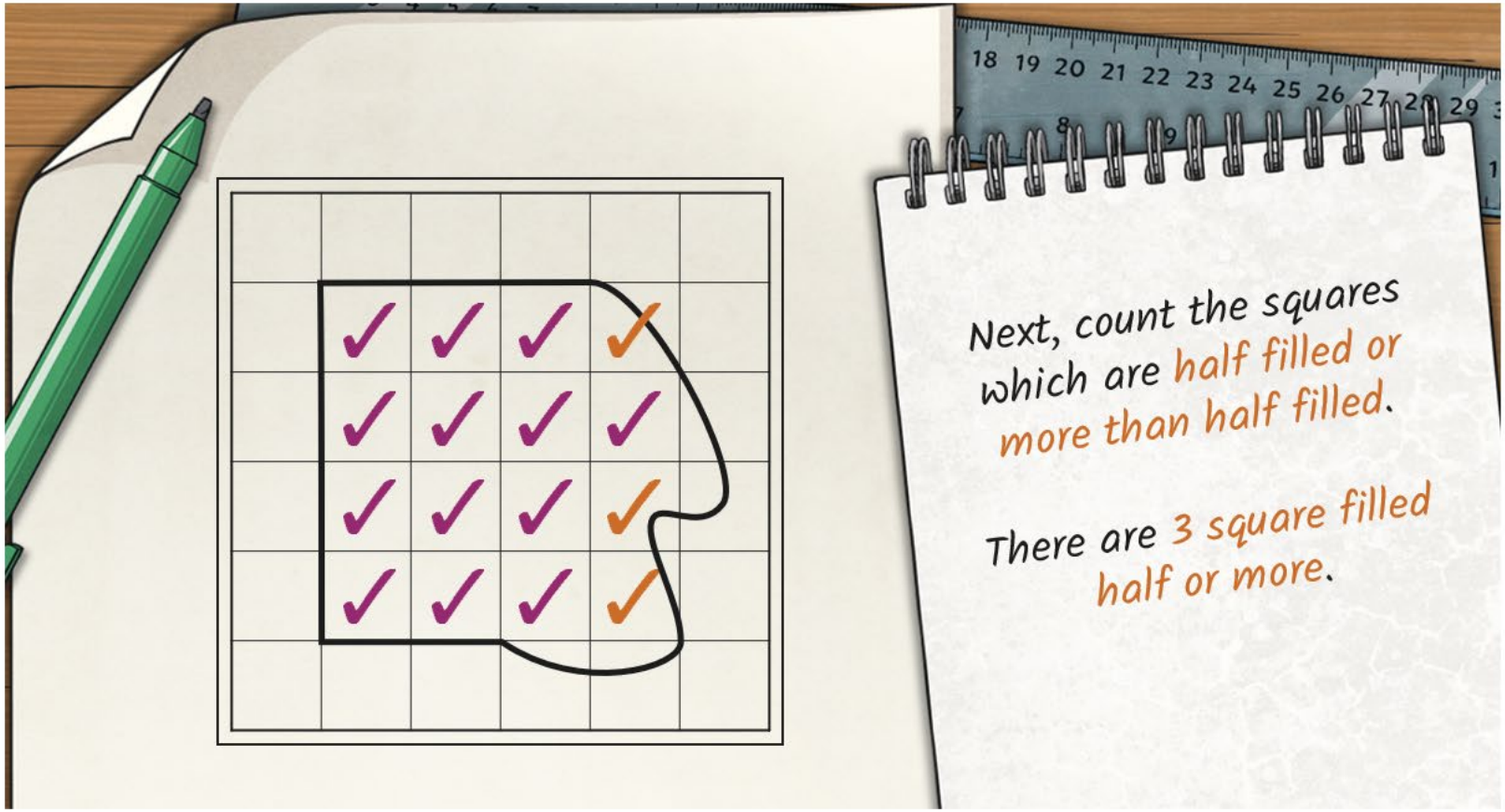
# Estimating the Area of Irregular Shapes

Here is another irregular shape.
We can estimate the area by counting squares in the same way.


twinkl.com

# Estimating the Area of Irregular Shapes

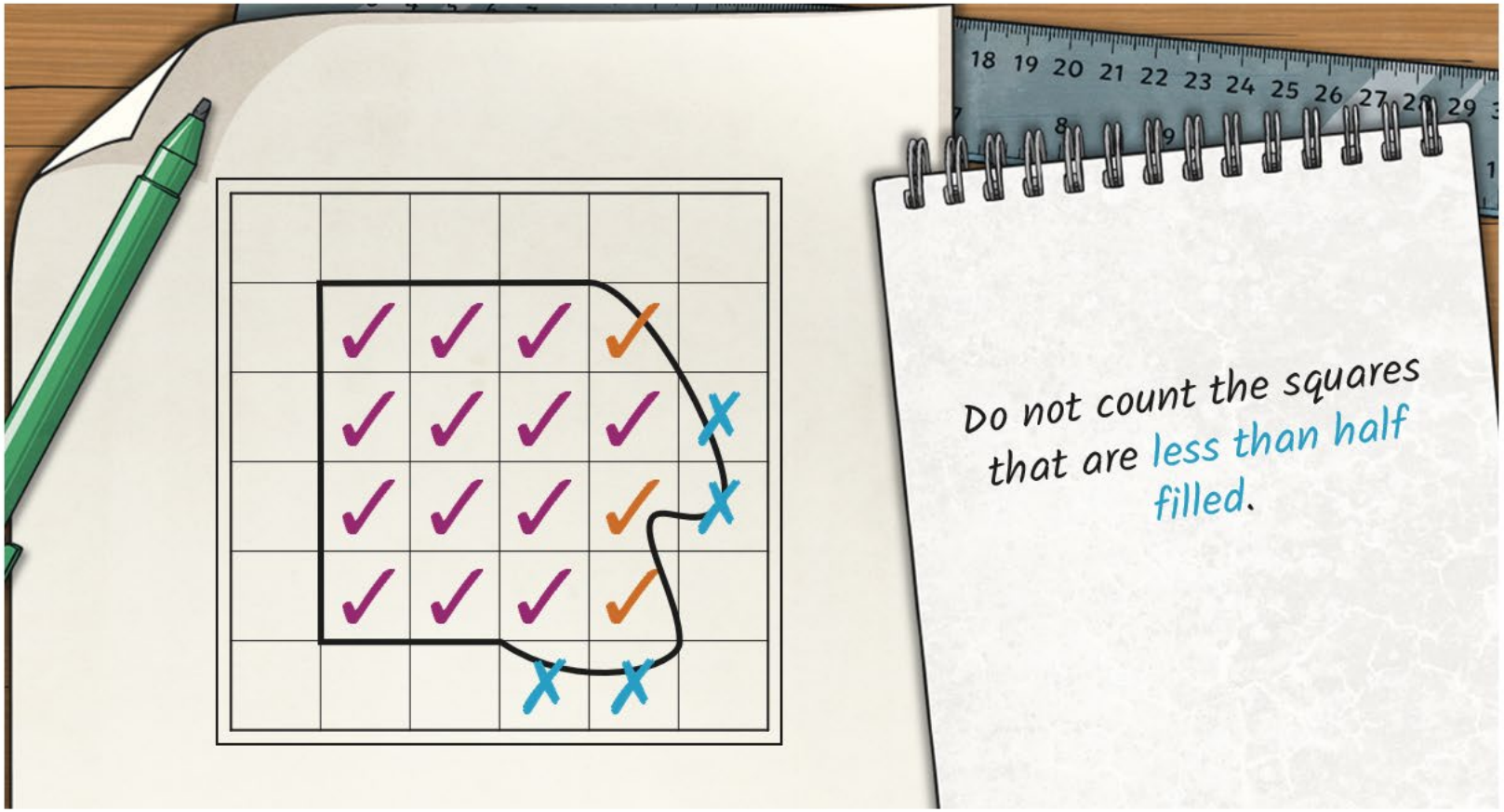
Here is another irregular shape.
We can estimate the area by counting squares in the same way.




twinkl.com

# Estimating the Area of Irregular Shapes

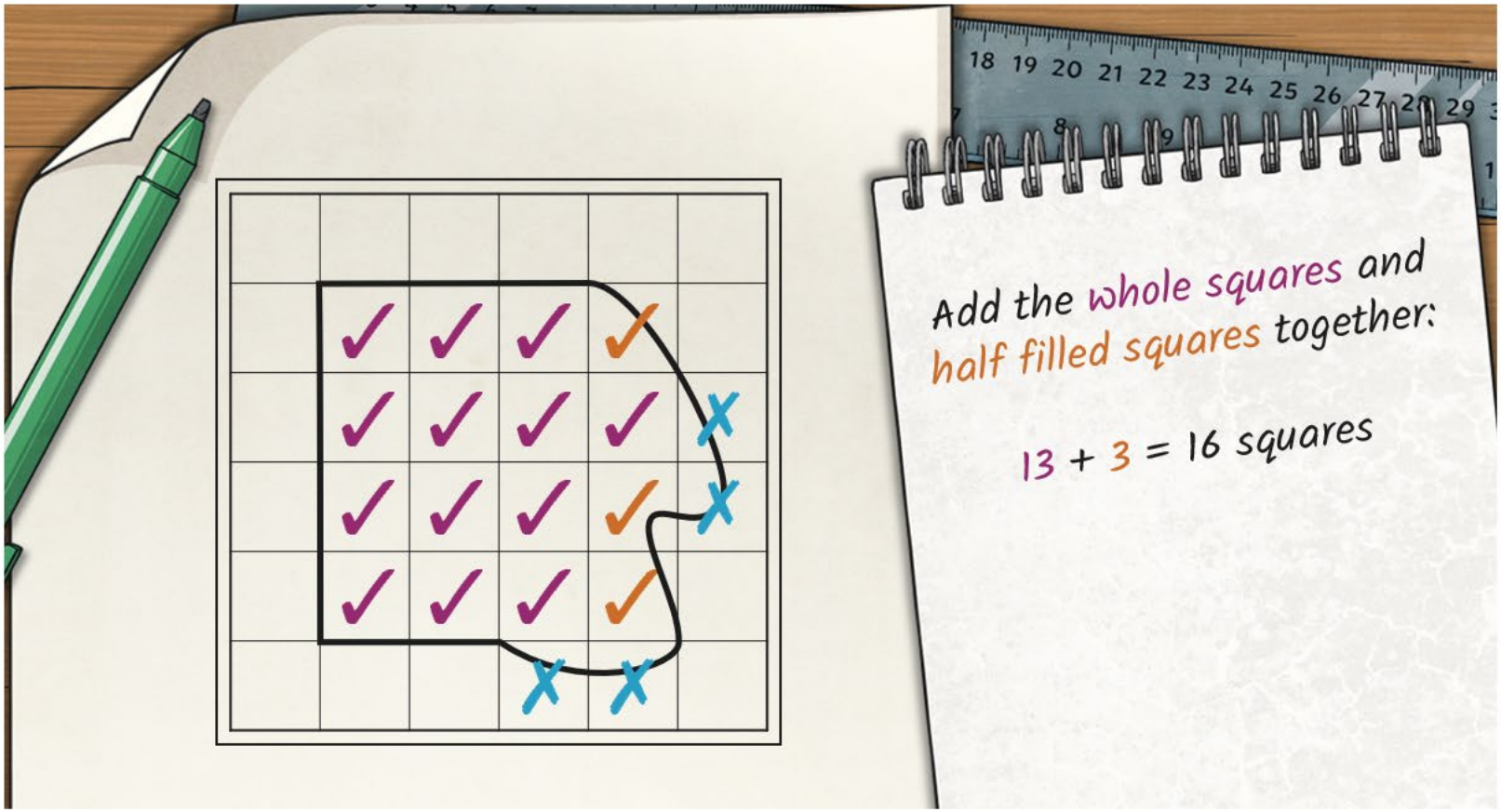
Here is another irregular shape.
We can estimate the area by counting squares in the same way.




twinkl.com

# Estimating the Area of Irregular Shapes

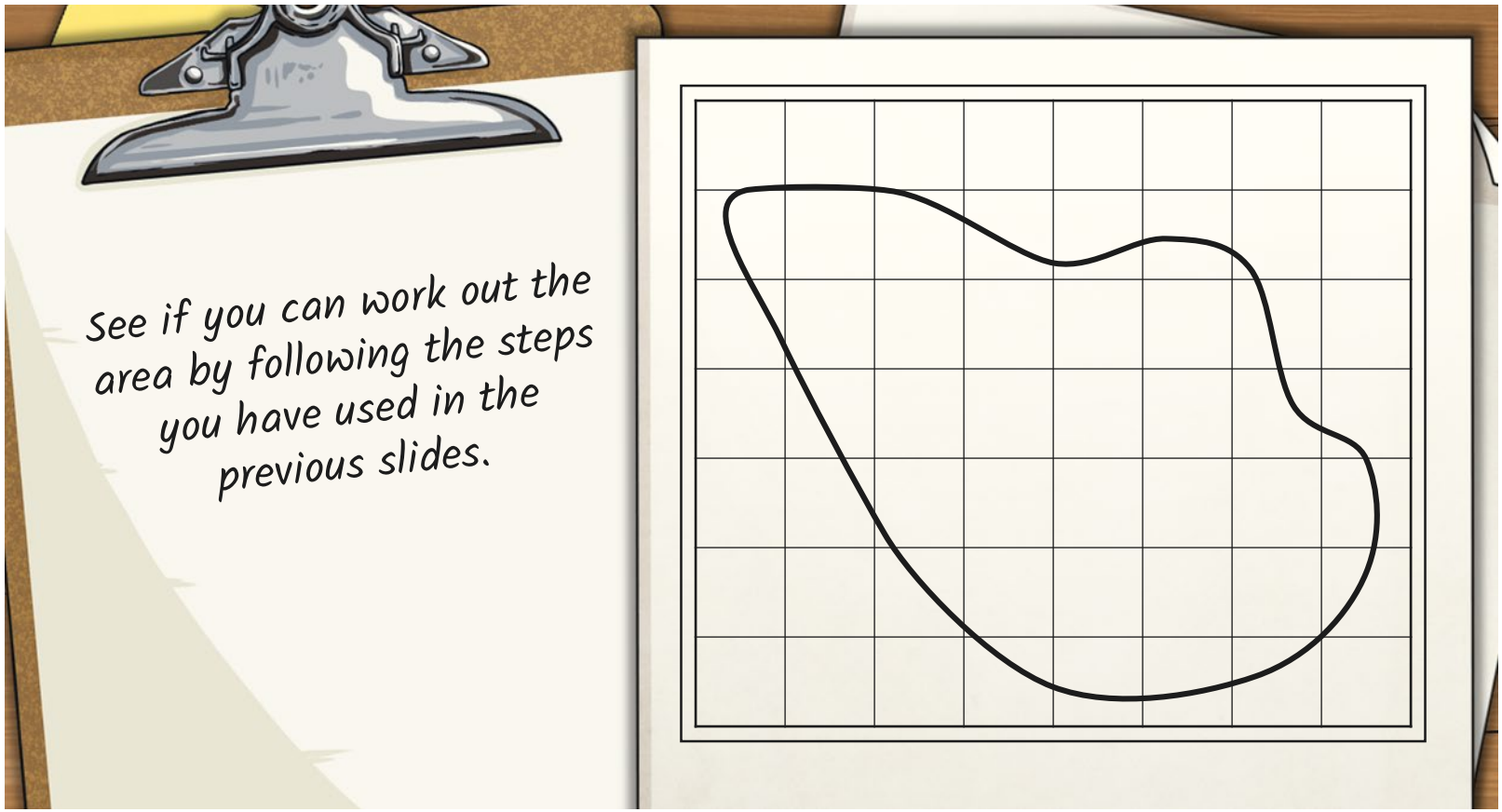
Here is another irregular shape.
We can estimate the area by counting squares in the same way.




twinkl.com

# Estimating the Area of Irregular Shapes

Here is an irregular shape without any straight edges at all.
We can still estimate the area by counting squares!




twinkl.com

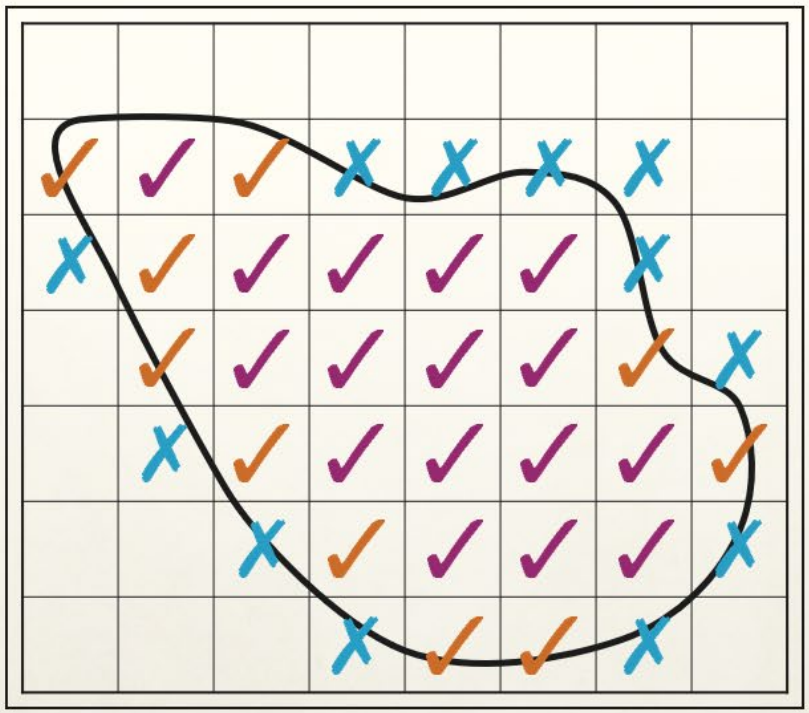
# Estimating the Area of Irregular Shapes

Here is an irregular shape without any straight edges at all.
We can still estimate the area by counting squares!

Add the whole squares and half filled squares together:

16 + 10 = 26 squares

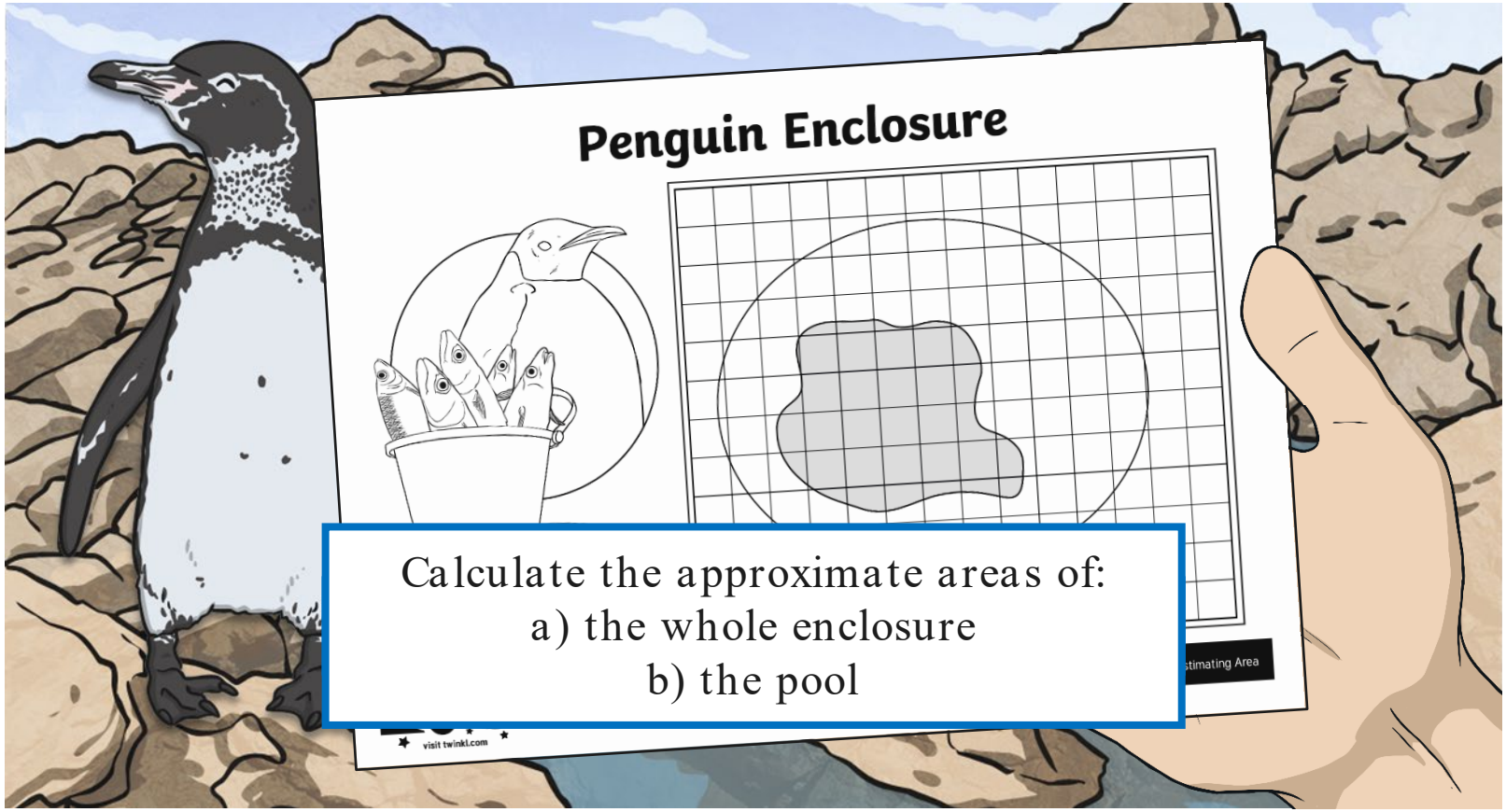
The area of this shape is approximately 26 squares.



twinkl.com

# The Zoo

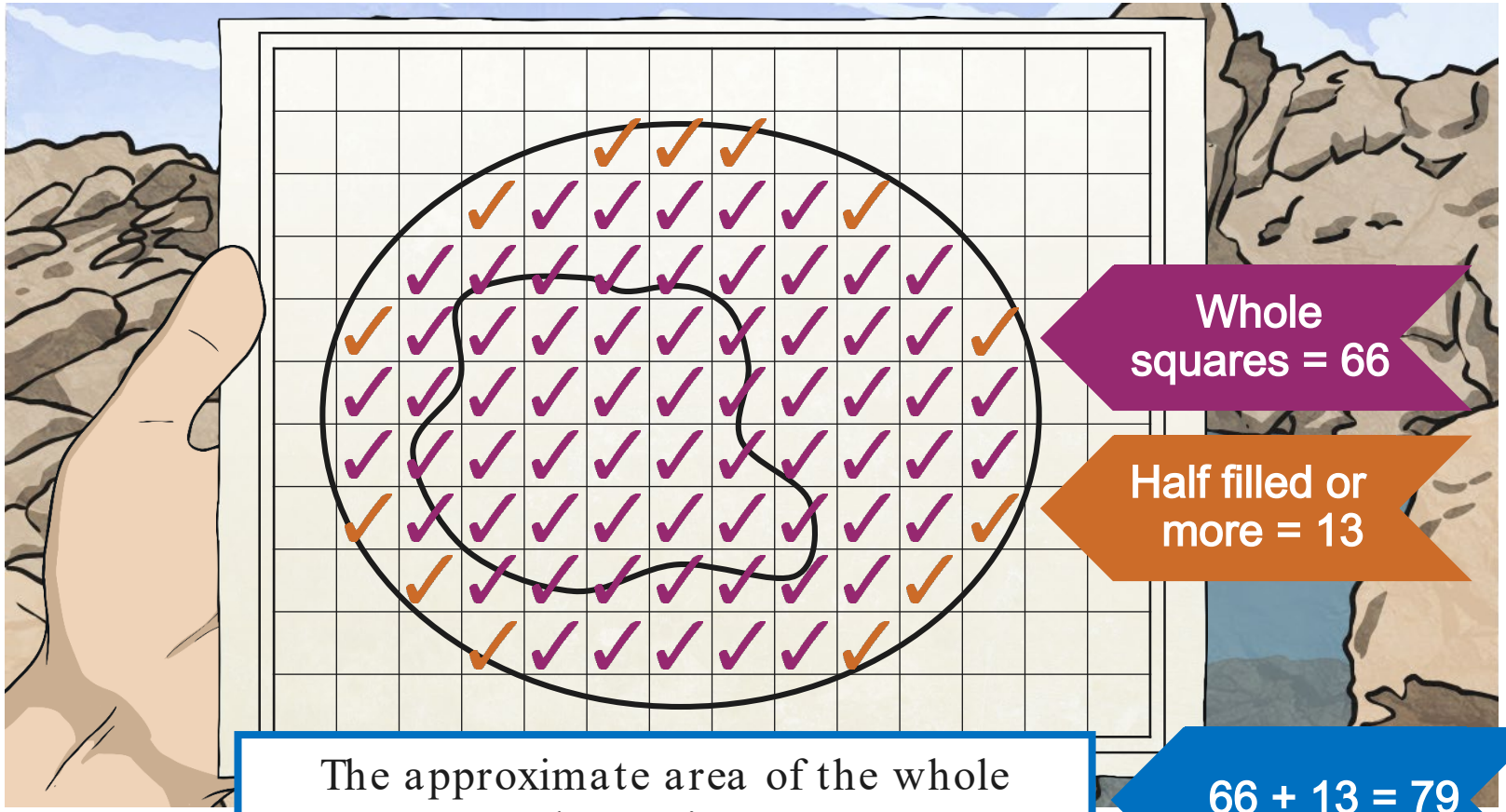
Look at your plan of the Penguin Enclosure at the Zoo.




twinkl.com

# The Zoo

a) the whole enclosure

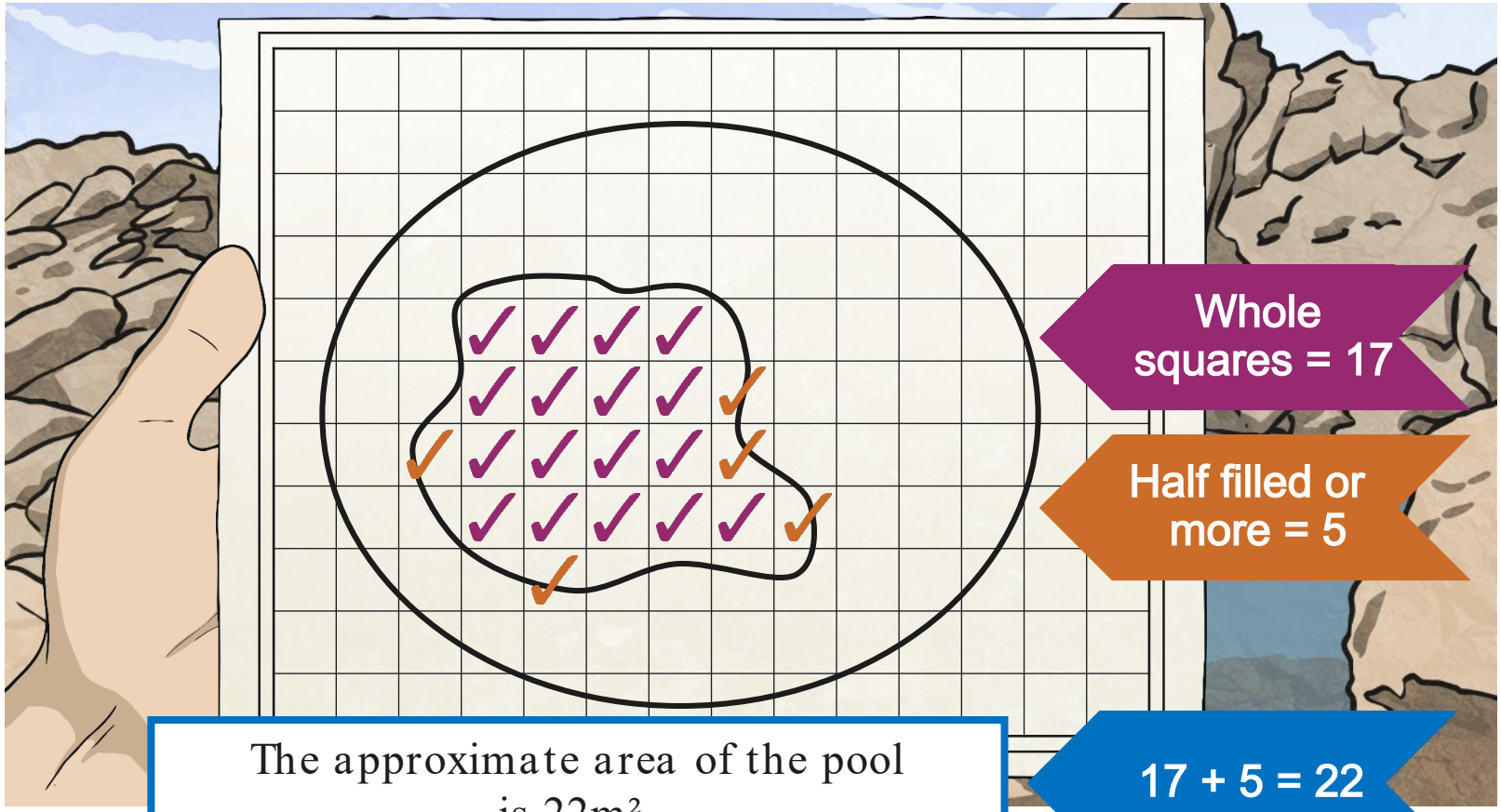



The approximate area of the whole enclosure is 79m².

twinkl.com

# The Zoo

b) the pool



Whole squares = 17

Half filled or more = 5

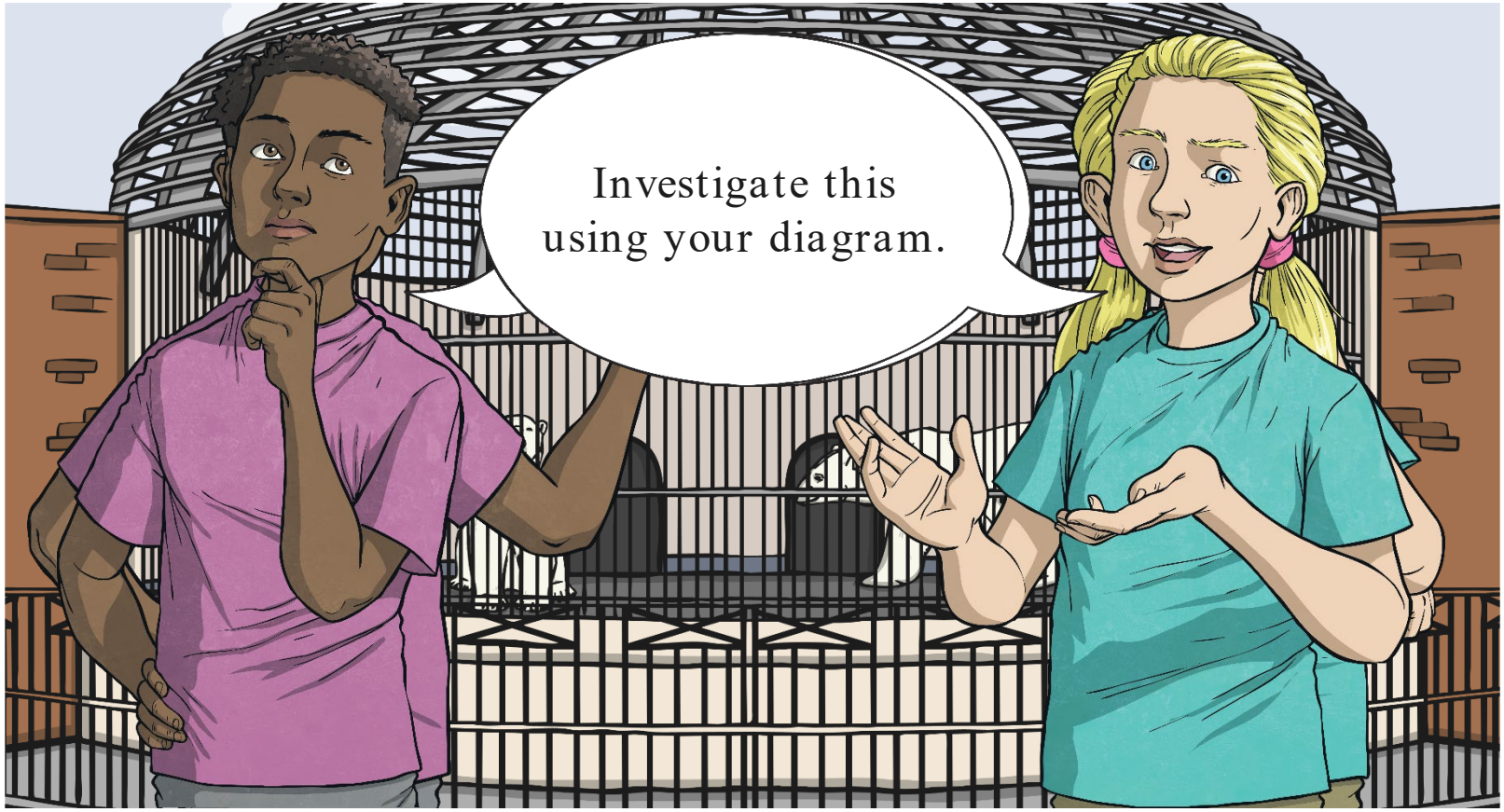
17 + 5 = 22

The approximate area of the pool is 22m².

twinkl.com

# The Zoo

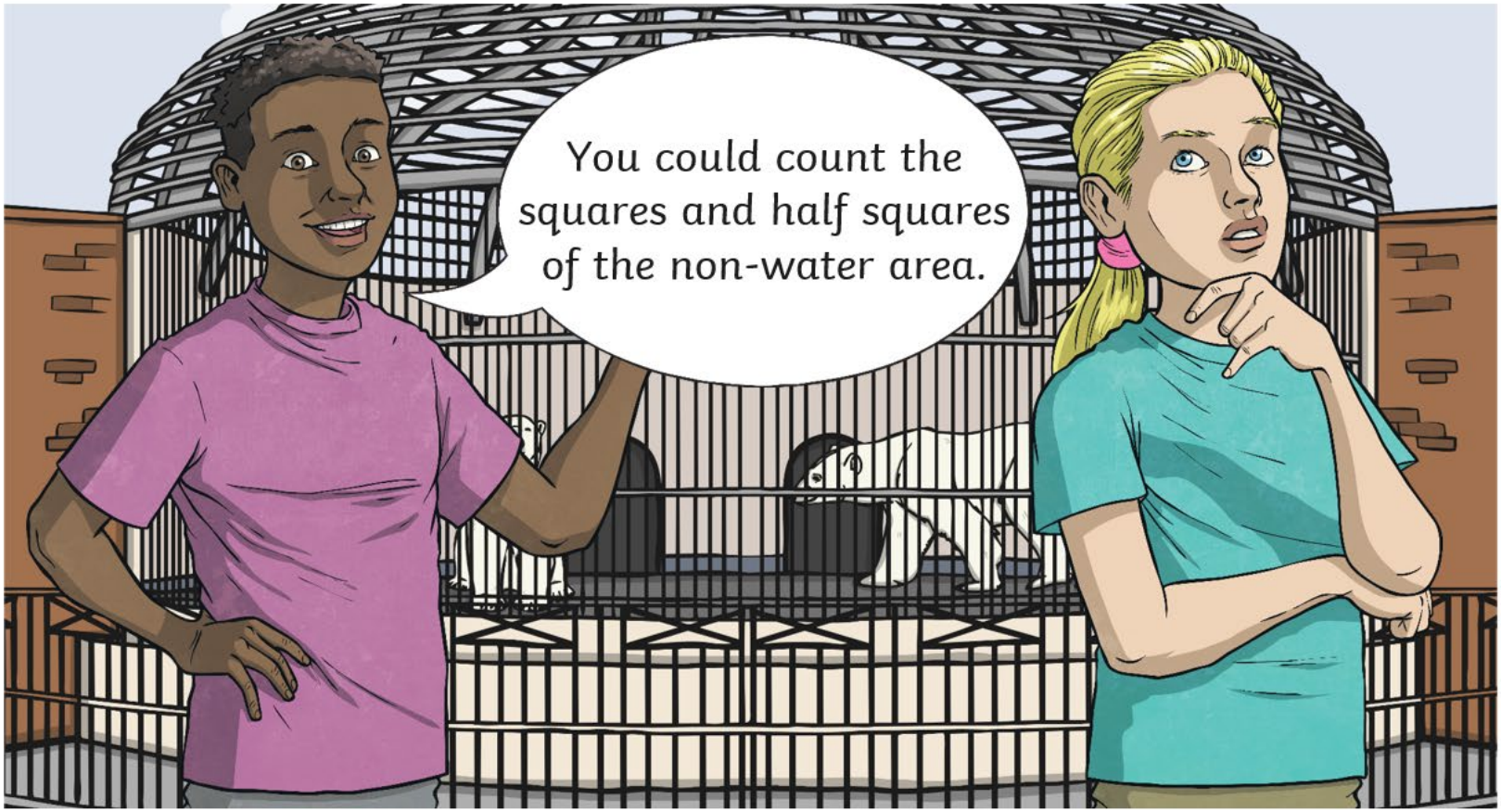
How could you calculate the area of the land within the enclosure?




twinkl.com

# The Zoo

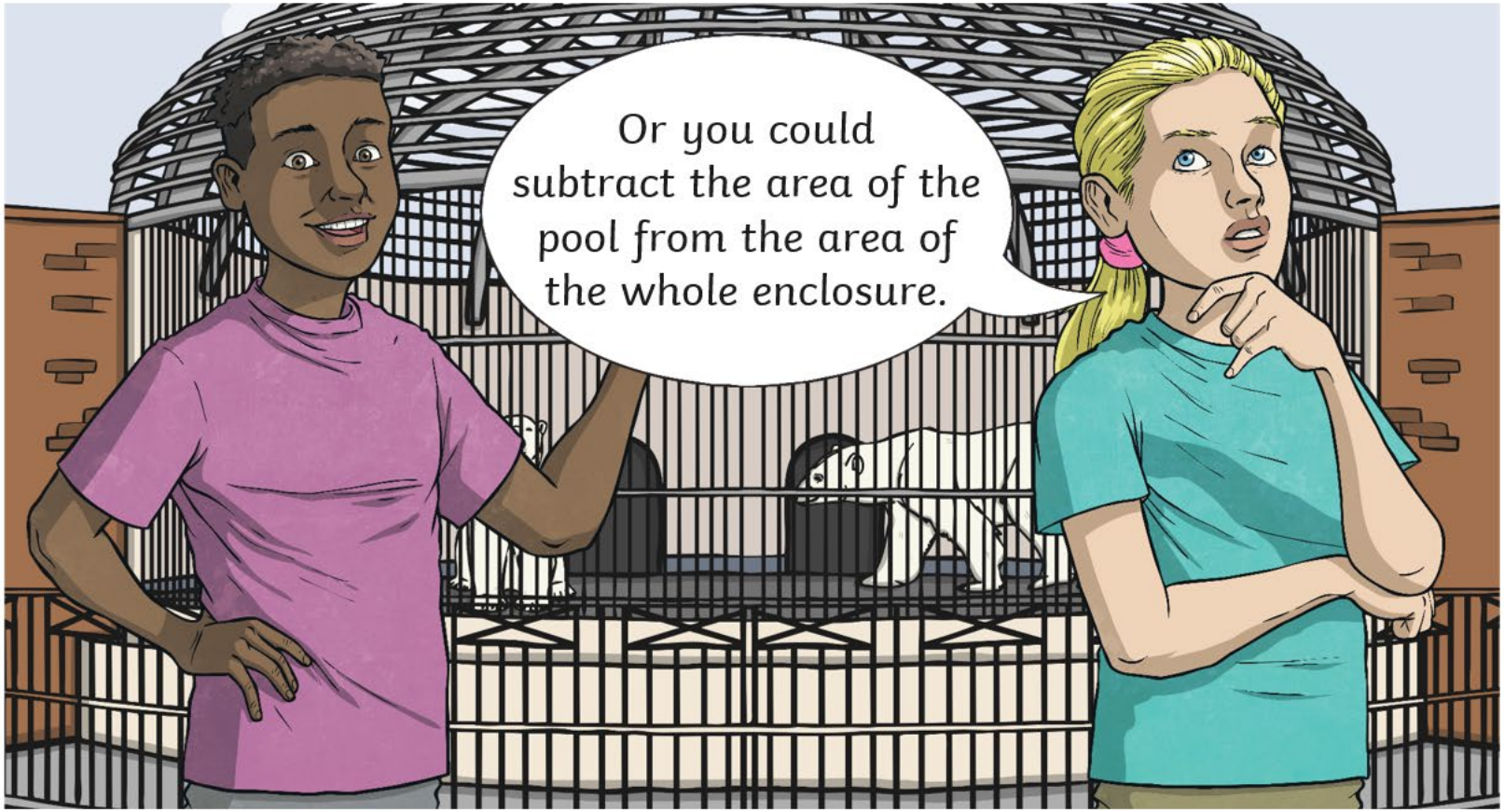
How could you calculate the area of the land within the enclosure?




twinkl.com

# The Zoo

How could you calculate the area of the land within the enclosure?




twinkl.com

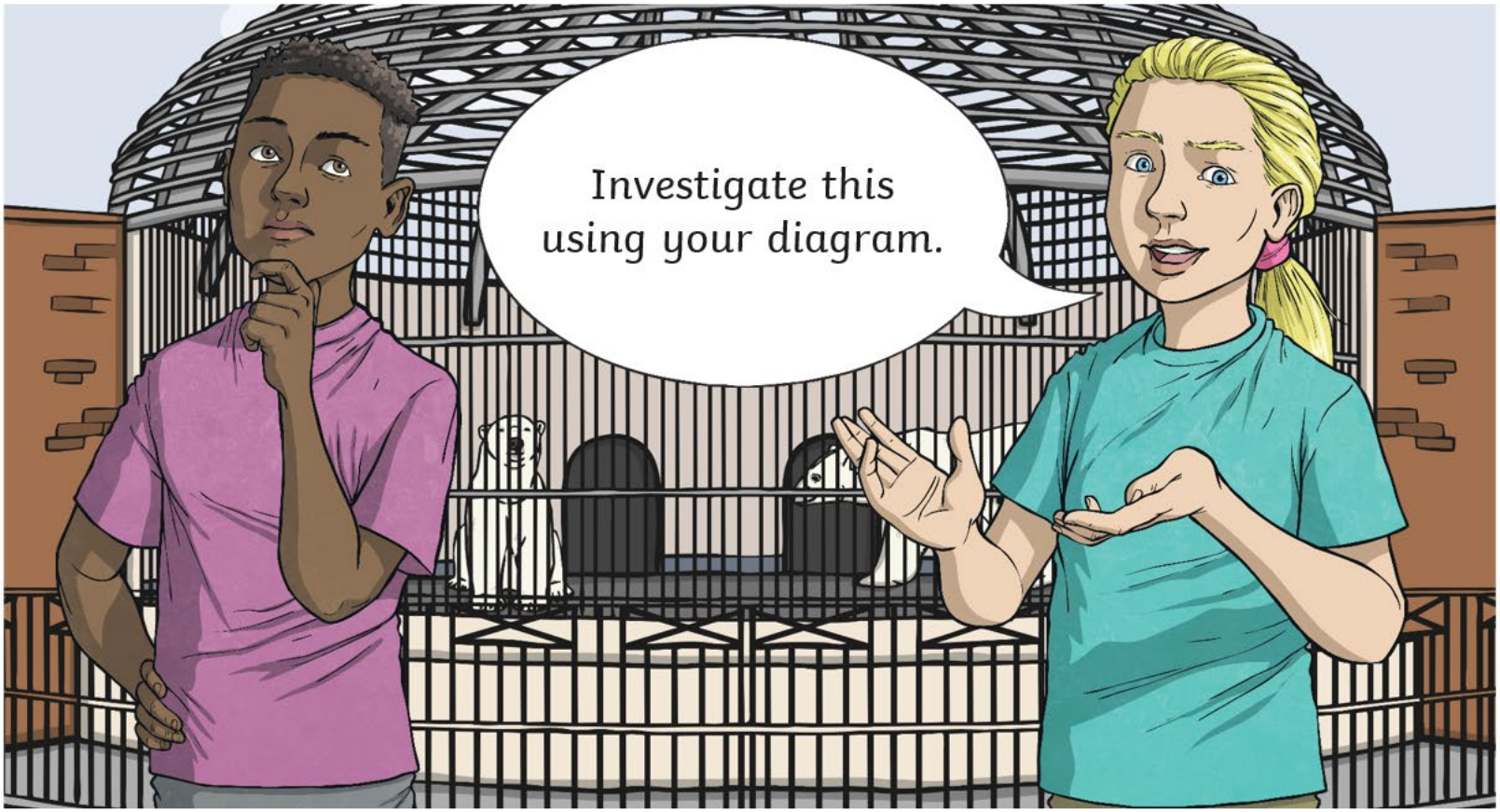
# The Zoo

How could you calculate the area of the land within the enclosure?


twinkl.com

# The Zoo

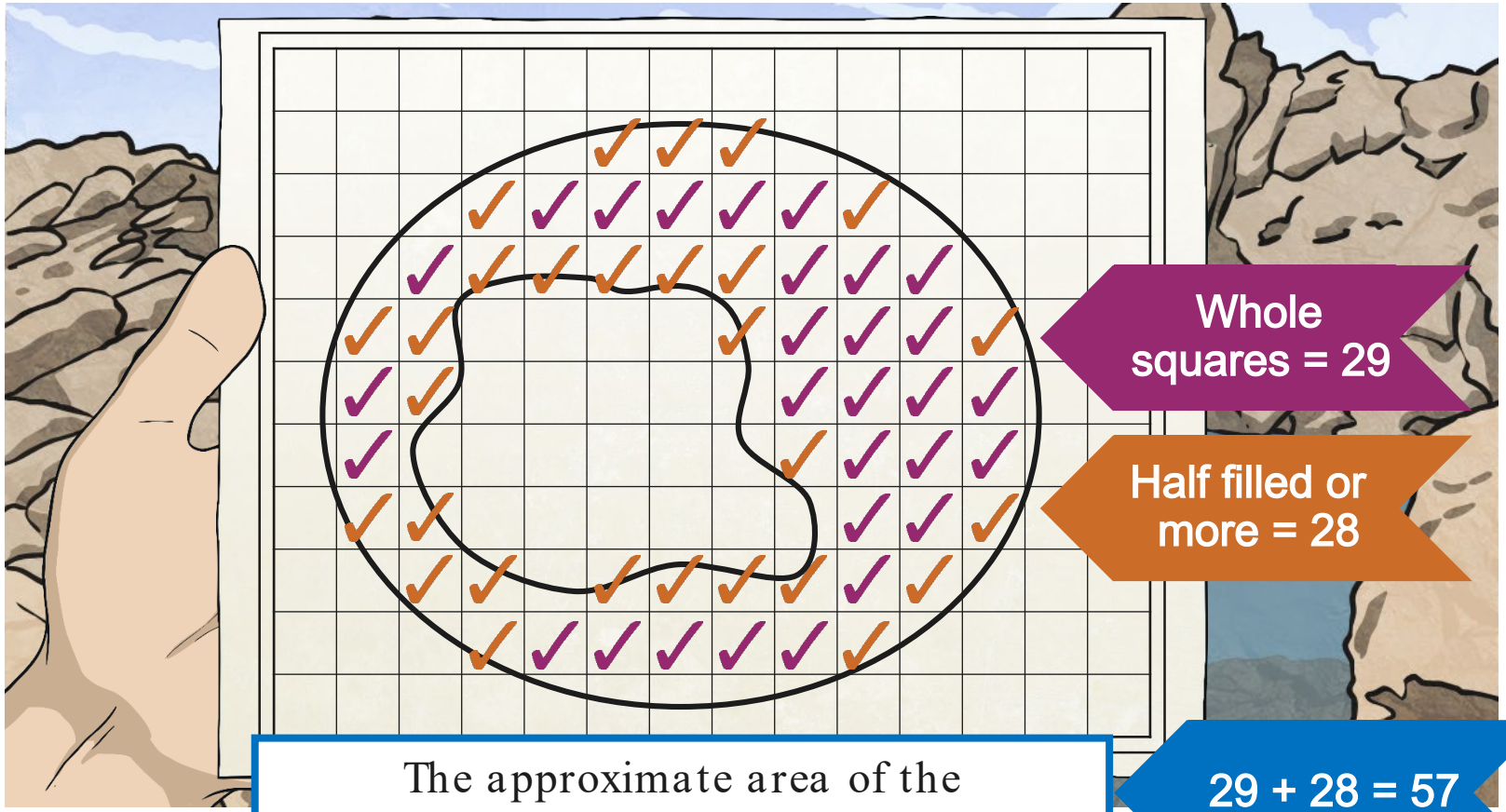
How could you calculate the area of the land within the enclosure?




twinkl.com

# The Zoo

If we count the squares and half filled or more squares of the non-water area:

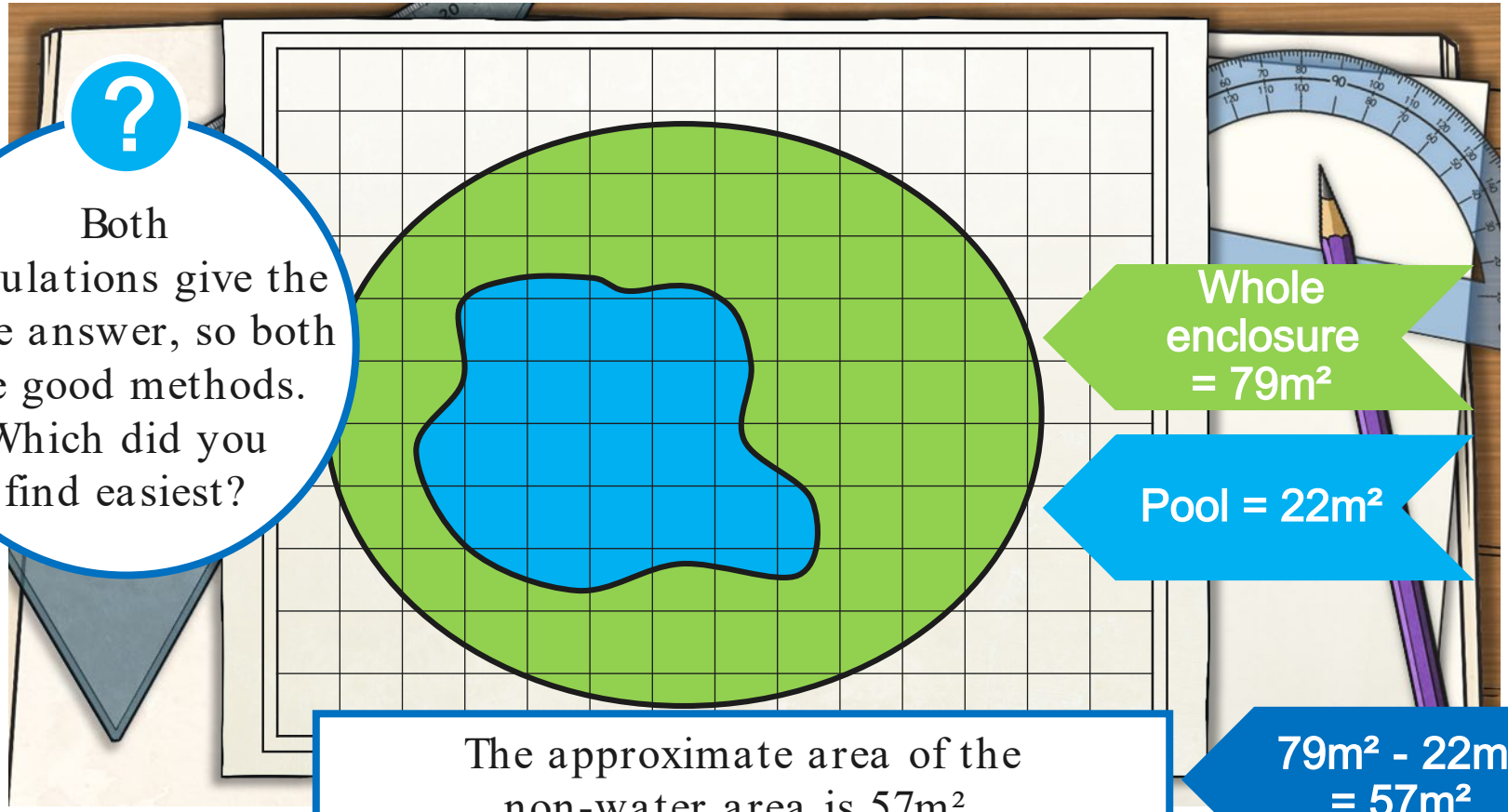



The approximate area of the non-water area is 57m².

twinkl.com

# The Zoo

If we subtract the area of the pool from the area of the whole enclosure:



Both calculations give the same answer, so both are good methods. Which did you find easiest?

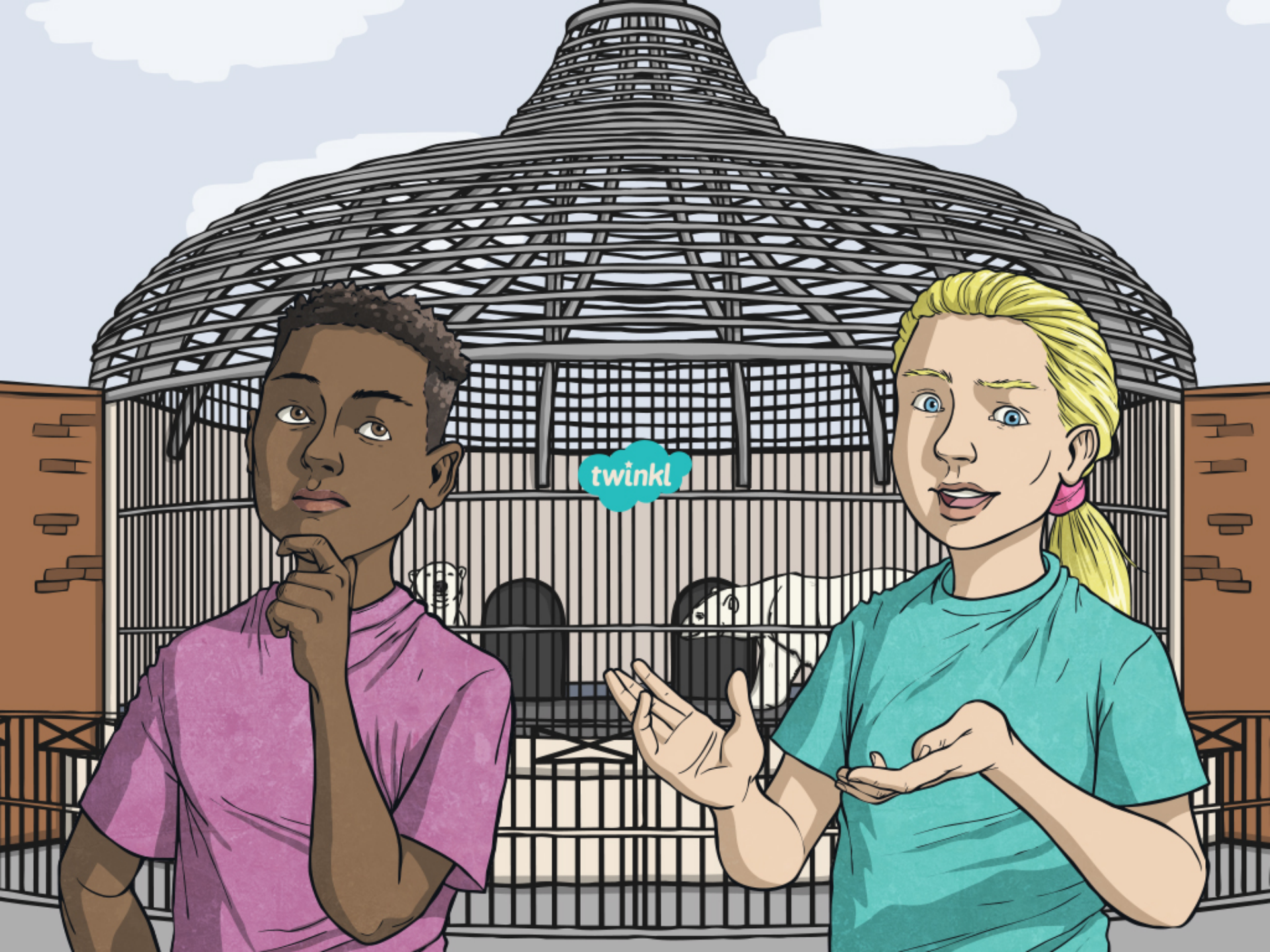
Whole enclosure = 79m²

Pool = 22m²

79m² - 22m² = 57m²

The approximate area of the non-water area is 57m².

twinkl.com


twinkl