

Diving into Mastery



What Is Area?

twinkl

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



Diving



Deeper



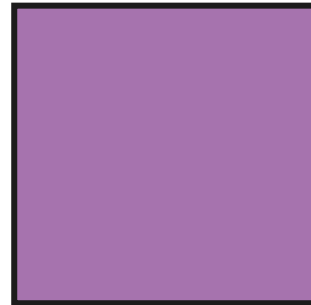
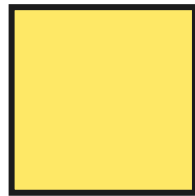
Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.



Which shape has the largest area?



What Is Area?

Diving

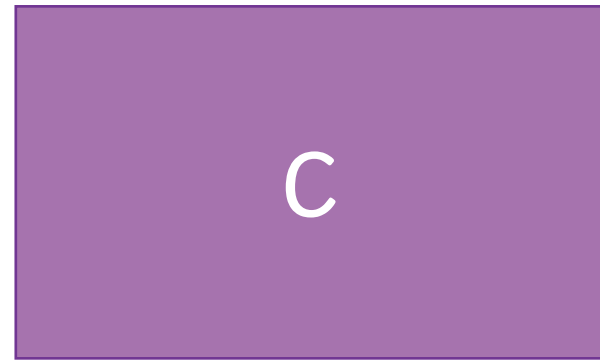
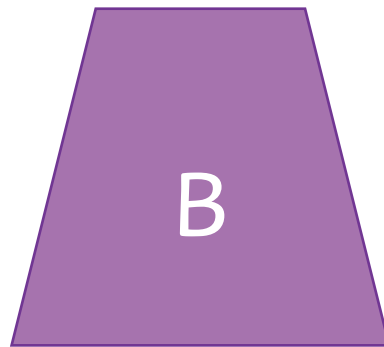


Which shape has the smallest area?






Order these shapes from the shape with the smallest area to the shape with the largest area.



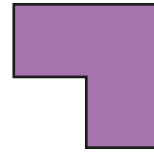
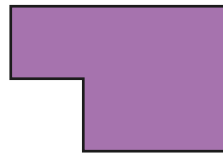
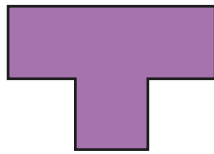
What Is Area?

Diving



Here is one small square. 

Estimate how many small squares make up each shape and match each shape to the correct number.



5

4

2

3

What Is Area?

Deeper



True or false? Explain your answer.

Area is the space inside a 3D shape.

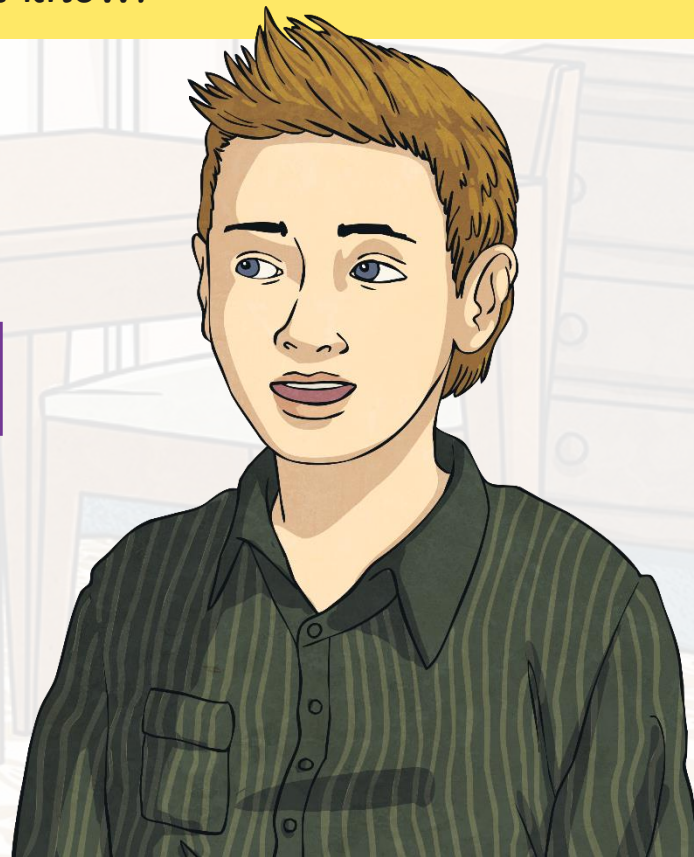
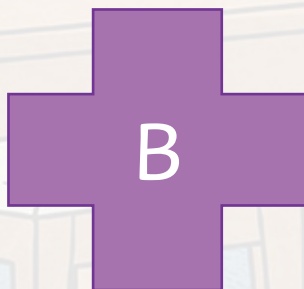
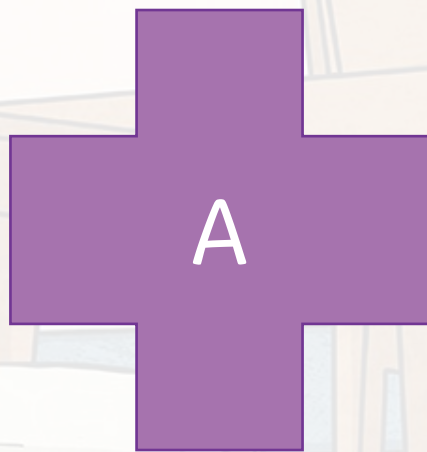


What Is Area?

Deeper



Riley says that these shapes have the same area. Is he correct? Explain how you know.



What Is Area?

Deepest



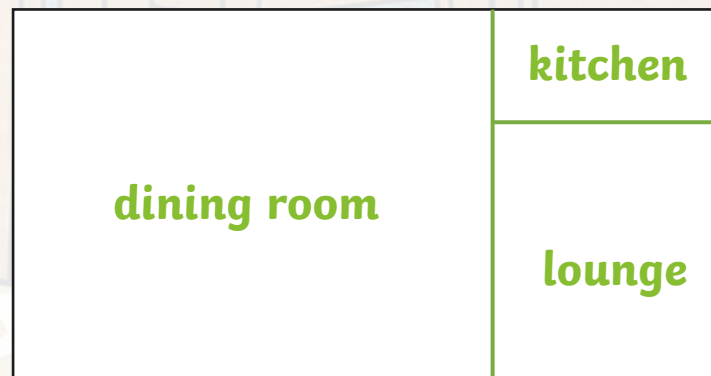
Callum is describing the area of each downstairs room in his house.

There are three rooms downstairs. The dining room has the largest area. The kitchen has the smallest area.



How could you split up the shape below to create a floor plan that could match Callum's description?

There are many possibilities. Here is an example answer.



What Is Area?

Deepest



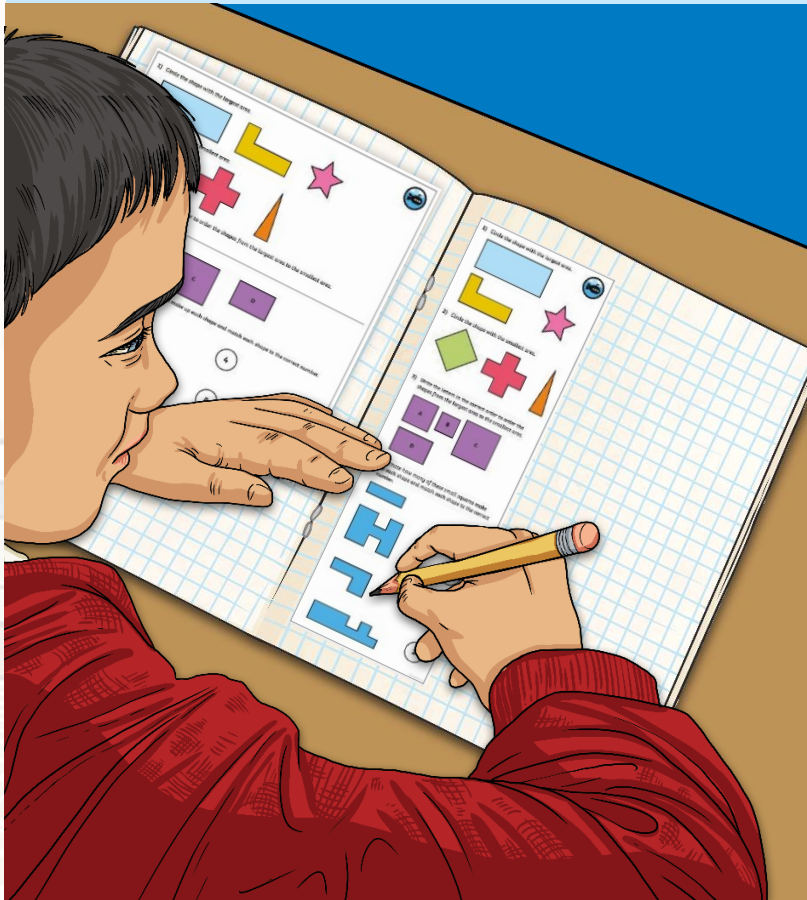
Maria says that these two shapes could have the same area. Is she correct? Explain how you know.



Yes. Although they are different shapes, they could still cover the same amount of space, which would mean they would have the same area. We can test this by moving the shapes around to see if they take up the same amount of space.

What Is Area?

Dive in by completing your own activity!



1) Fatima is ...
There is ...
The area room.
Draw on ...
to label e

2) Megan sa ...
she is rig ...
larger squ ...
Will they ...
Explain y

3) Aaron ha ...
whiteboa ...
Aaron wa ...
him to us ...
a)

1) Read the ...

2) Sara says ...

3) Annabel ...
larger squ ...
Will they ...
Explain y

1) Circle the shape with the largest area.

2) Circle the shape with the smallest area.

3) Write the letters in the correct order to order the shapes from the largest area to the smallest area.

A B C D

4) Estimate how many of these small squares make up each shape and match each shape to the correct number.

4

8

10

2

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