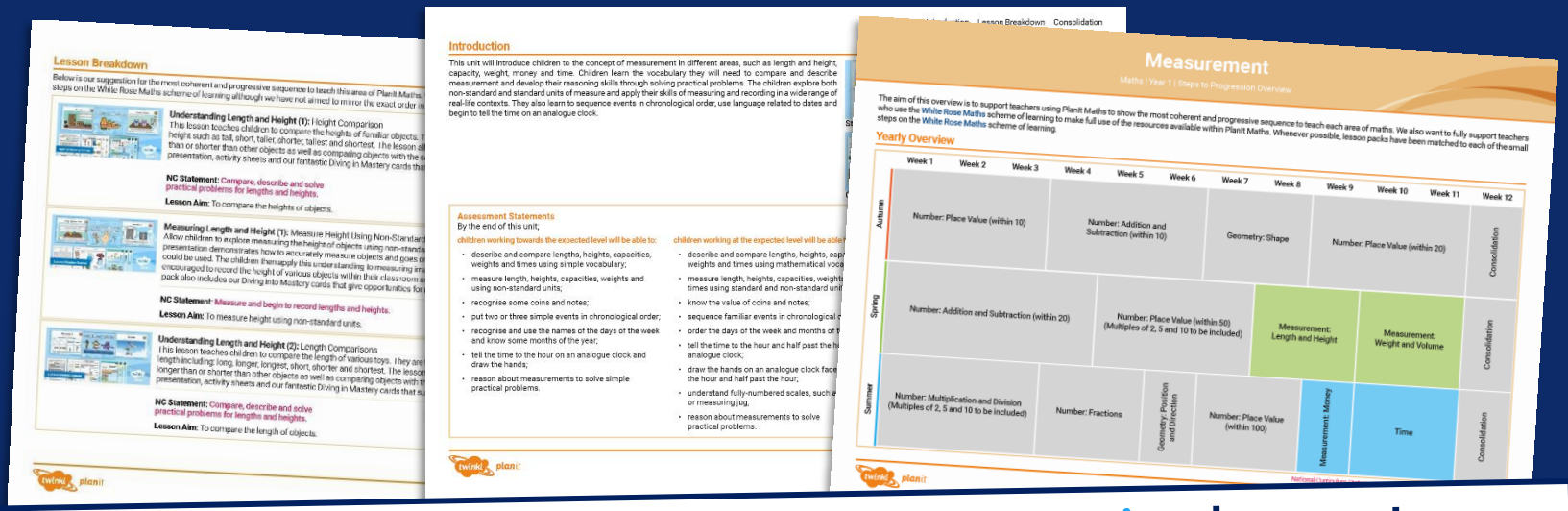
Maths

Properties of Shapes

Need a coherently planned sequence of lessons to complement this resource?

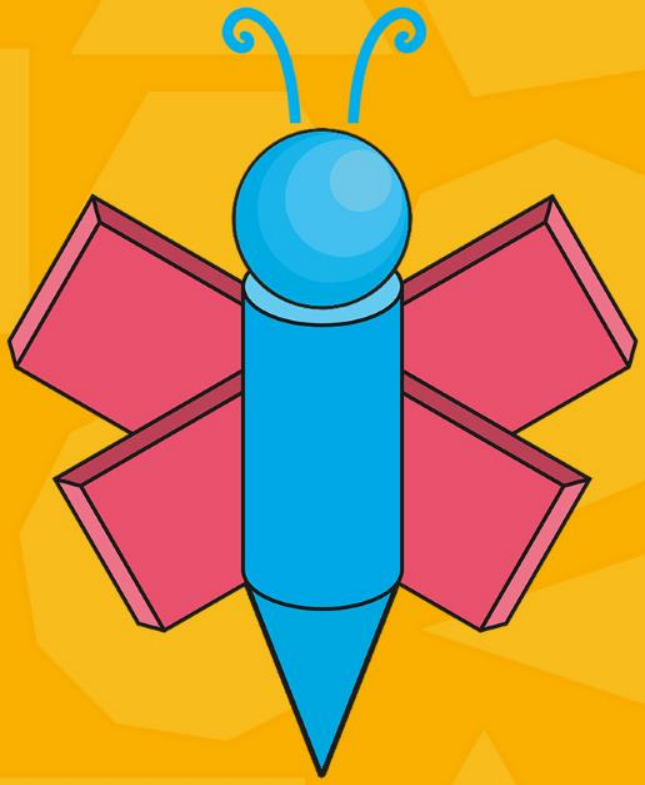


See our Properties of Shapes Steps to Progression document.

Twinkl PlanIt is our award-winning scheme of work with over 4000 resources.

twinkl planit

Make 3D Shape Models



Aim

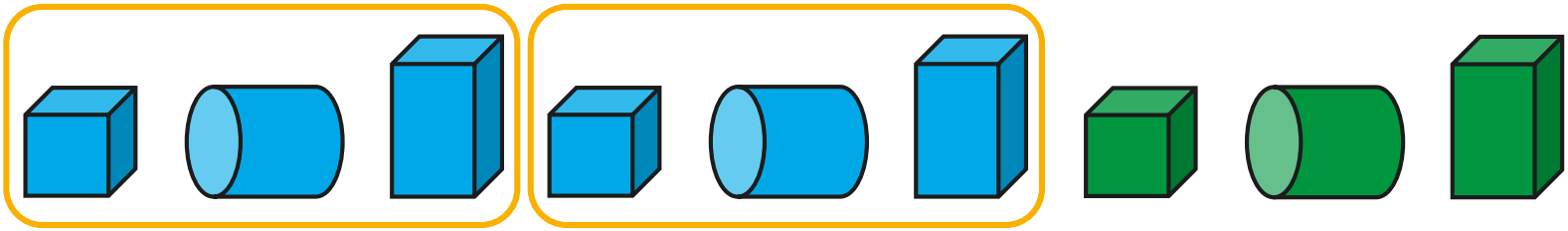
- To investigate 3D shape models.

Success Criteria

- I can make models using 3D shapes.
- I can copy models using 3D shapes.
- I can name the 3D shapes that I use.

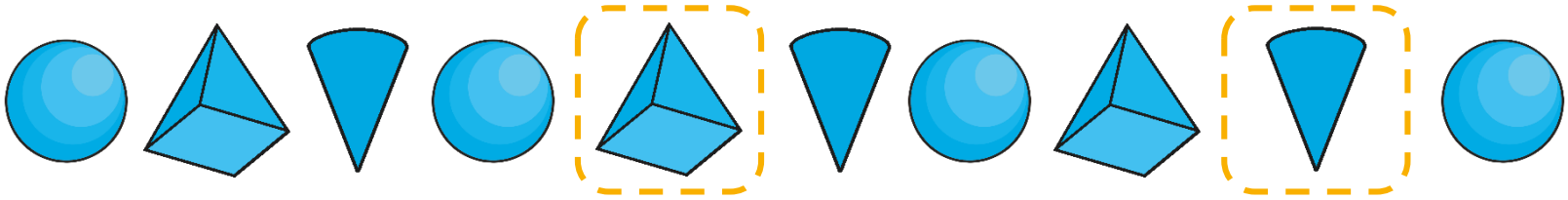
Remember It

Can you continue this pattern?



Remember It

Which shapes are missing from the pattern?



What can you do to find out?

- Say the pattern.
- Find the core.

3D Shape Models

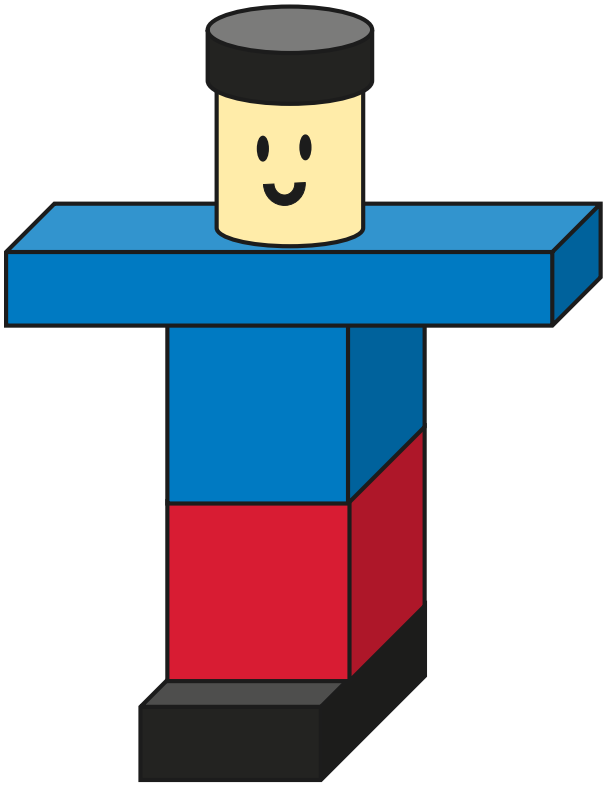
What 3D shapes can you see?

What model do you think the shapes will make?

cylinders

cuboids

cubes

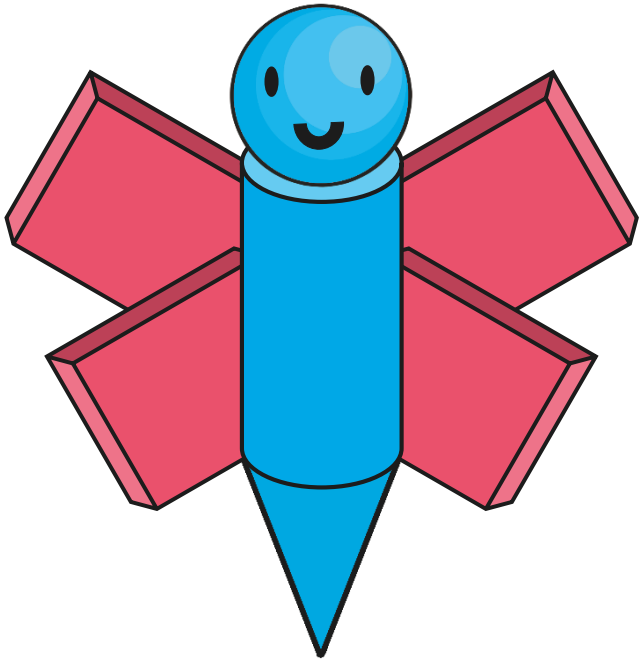


3D Shape Models

What 3D shapes can you see?

What model do you think the shapes will make?

- sphere
- cuboids
- cylinder
- cone

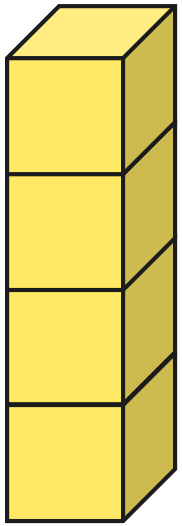


Build It

These learning partners have 4 cubes each.

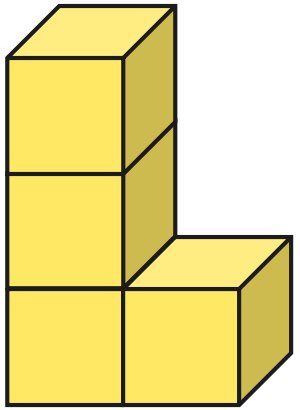
They both make models.

We think our models will be the same because we have the same number of cubes.



What's the same about the models?

What's different?

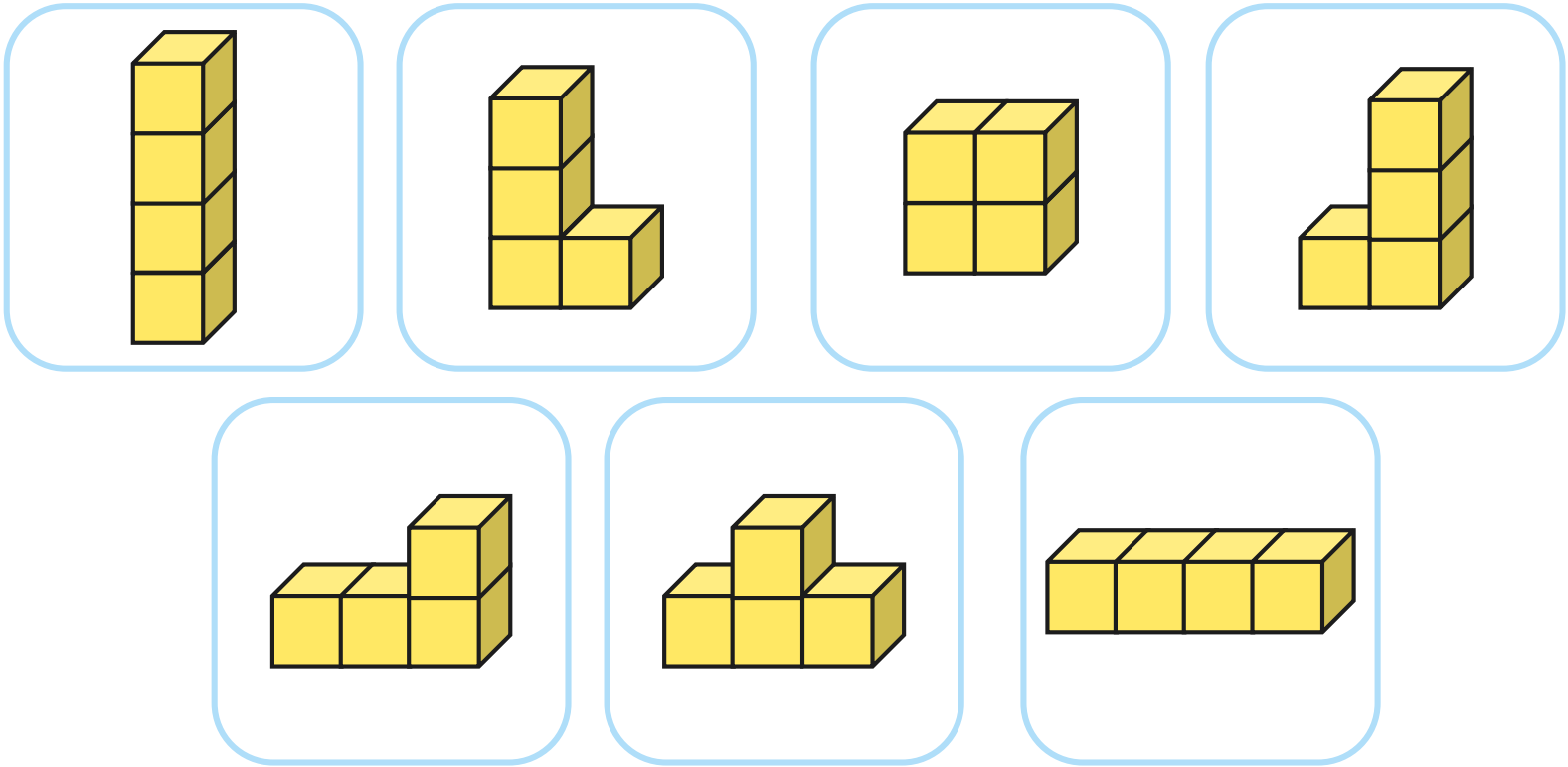


Build It

Work with a learning partner.
How many different models can you make with 4 cubes?

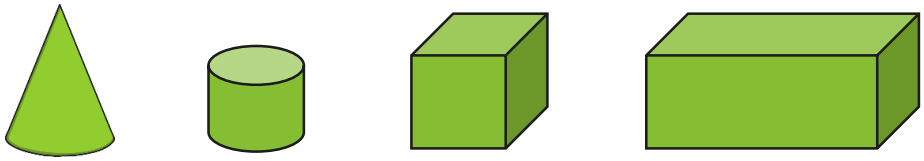
How many ideas did you discover?

Here are some ideas.



Describe It

These learning partners make models with these 3D shapes.



Describe a model for your talk partner to identify.

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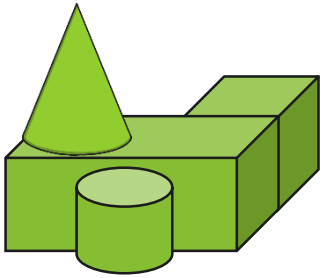
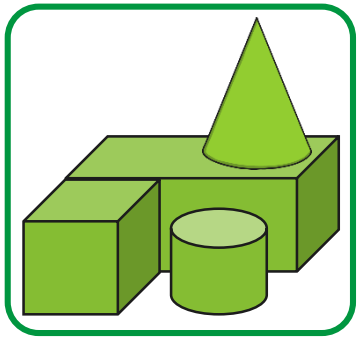
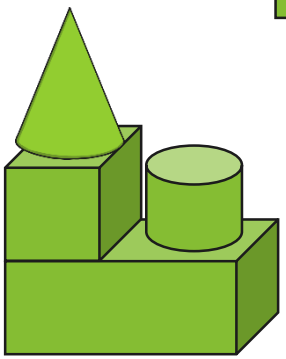
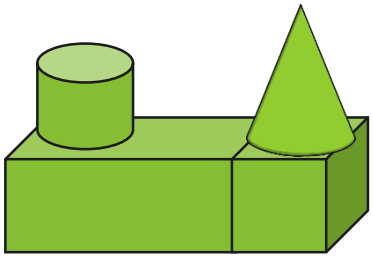
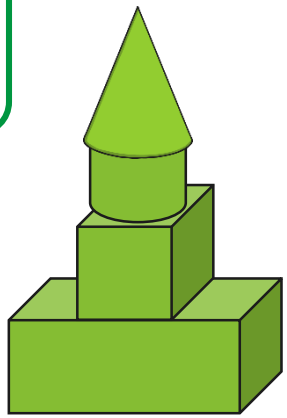
nt of the cuboid.





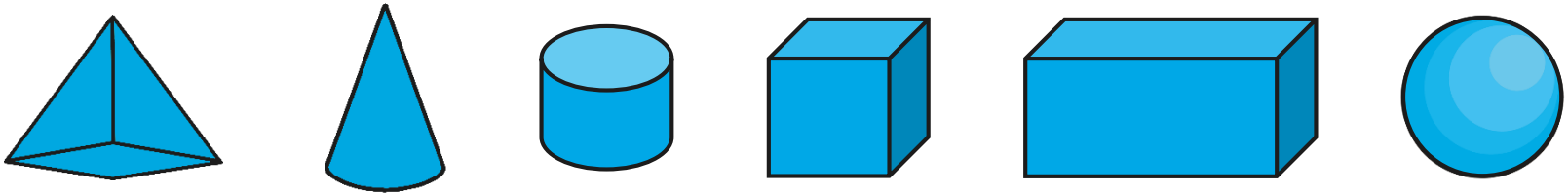






Make It

Work with a learning partner to make models with 3D shapes.



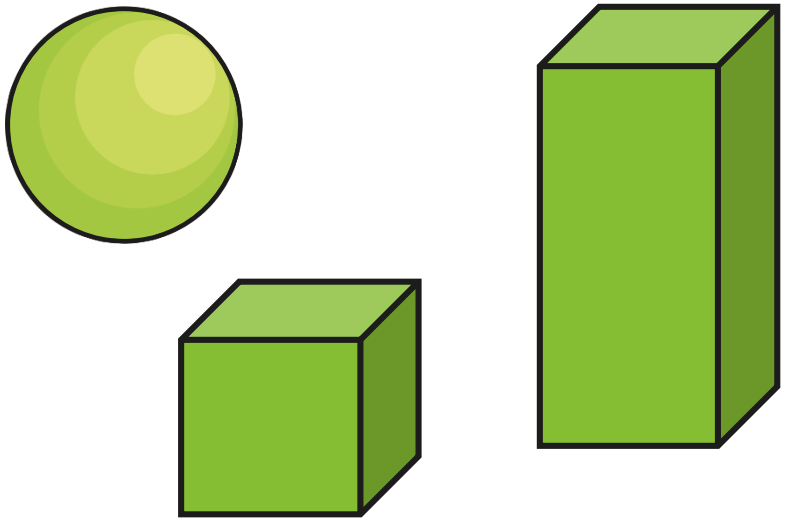
Take turns to place 3D shapes to make your model.

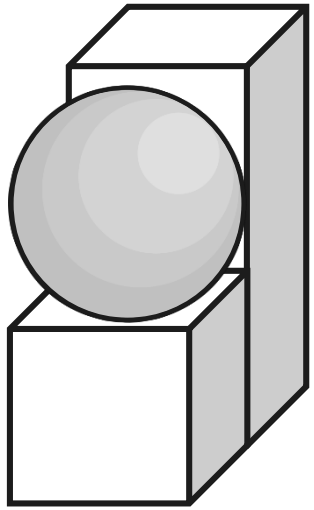
Which shapes will you use?

Where will you place them?

Plan It

Use 3D shapes to make this model.



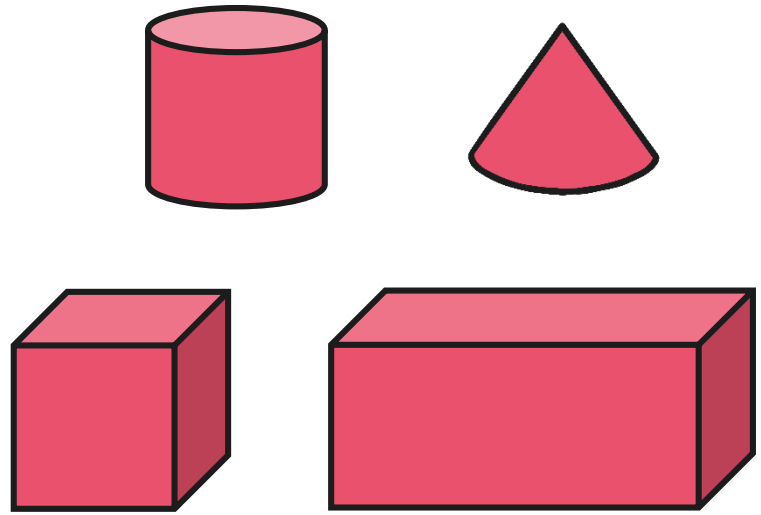


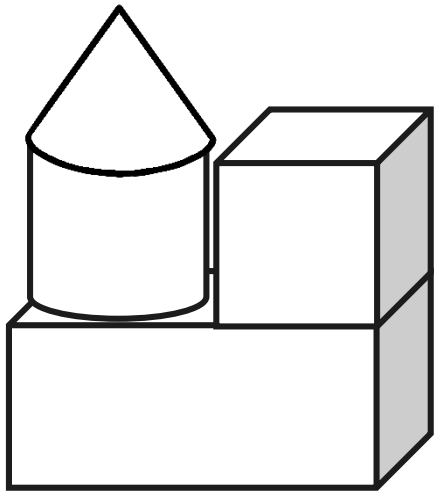
Where would you place each shape?

Use these words to help you: next to, left, right, on top of, above, below, in front of, behind, between

Plan It

Use 3D shapes to make this model.





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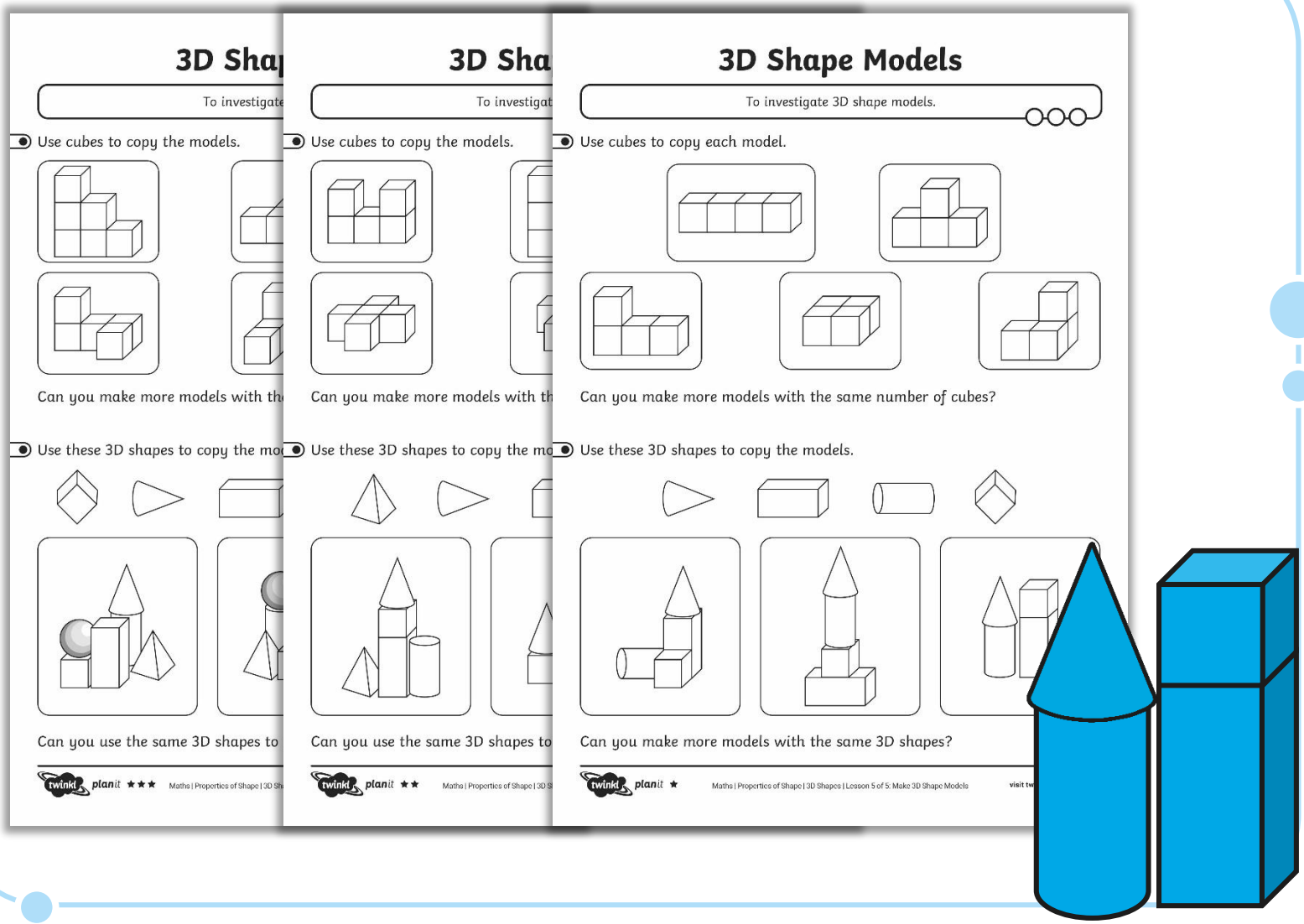
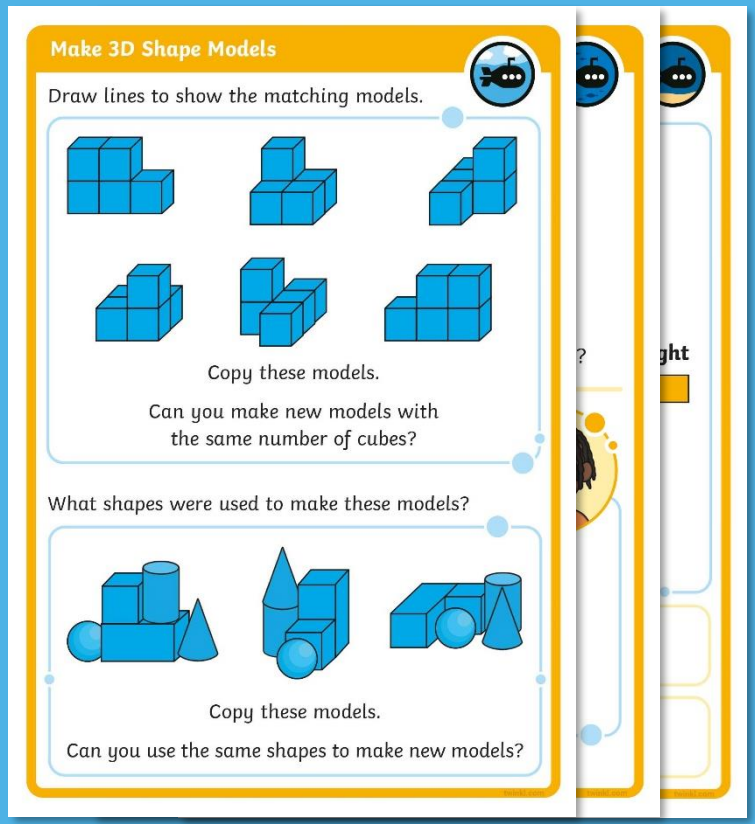
Make 3D Shape Models



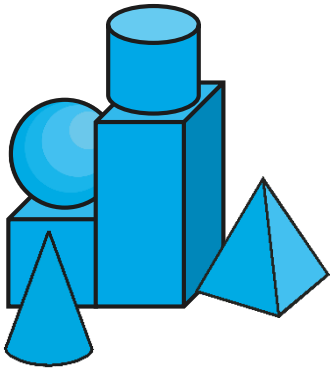
Diving into Mastery

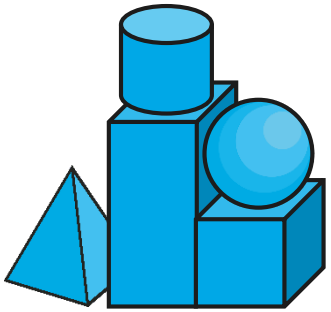
Dive in by completing your own activity!

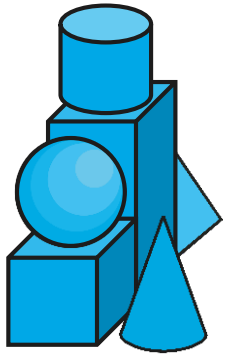


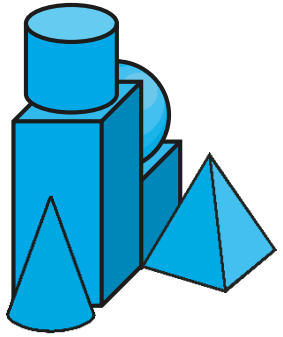
Odd One Out

These pictures show the same model from different viewpoints.









What could you do to correct it?

Aim

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Success Criteria

- I can make models using 3D shapes.
- I can copy models using 3D shapes.
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