

# making models

## Maths, Engineering and Art Activity!

### What you'll need:

Staedtler stick pens



Staedtler coloured pencils



Staedtler scissors



Staedtler glue stick

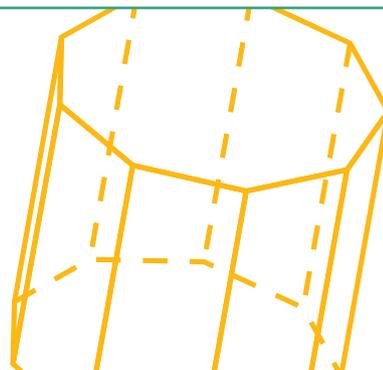


A printout of the supplied worksheet



### Instructions:

1. Print out the supplied work sheet single sided.
2. Using the supplied activity worksheet, name the 3D shapes and answer the questions about the corresponding shape.
3. Using the 3D shapes and names as a guide, match the 3D nets with the correct shapes.
4. Once you have matched your 3D nets to the correct shapes, you can build the 3D shape yourself.
5. Select a 3D net from the supplied templates. Colour and cut the chosen 3D net following the dotted lines.
6. Using the **Staedtler glue stick**, paste the tabs (where stated) together and assemble your 3D shape.
7. **Bonus:** Choose a classmate and play **Can you guess the shape just by the description?** Make sure you don't tell or show your classmate your 3D shape. Quiz your classmate using the list of statements supplied with your chosen 3D shape. Once they have guessed the shape you can reveal your assembled 3D shape.

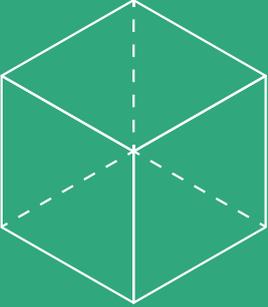


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## Activity Worksheet



### Name the 3D shape



Name: \_\_\_\_\_

Number of faces: \_\_\_\_\_

Number of vertices: \_\_\_\_\_

Name an object this shape:  
\_\_\_\_\_

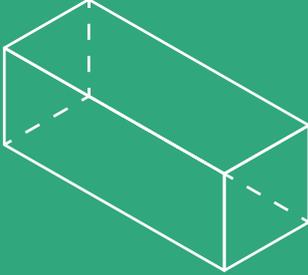


Name: \_\_\_\_\_

Number of faces: \_\_\_\_\_

Number of vertices: \_\_\_\_\_

Name an object this shape:  
\_\_\_\_\_

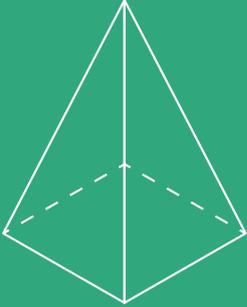


Name: \_\_\_\_\_

Number of faces: \_\_\_\_\_

Number of vertices: \_\_\_\_\_

Name an object this shape:  
\_\_\_\_\_



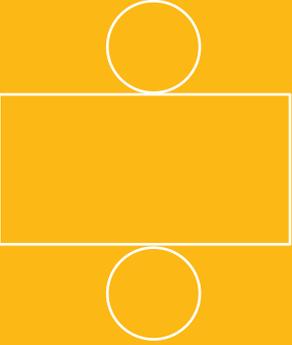
Name: \_\_\_\_\_

Number of faces: \_\_\_\_\_

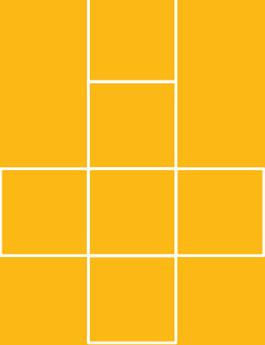
Number of vertices: \_\_\_\_\_

Name an object this shape:  
\_\_\_\_\_

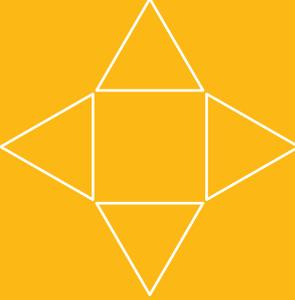
### Match the 3D net with the correct 3D shapes



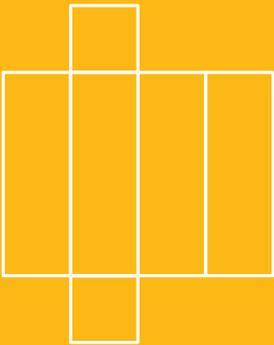
Shape: \_\_\_\_\_



Shape: \_\_\_\_\_



Shape: \_\_\_\_\_

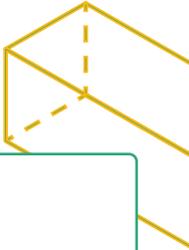


Shape: \_\_\_\_\_

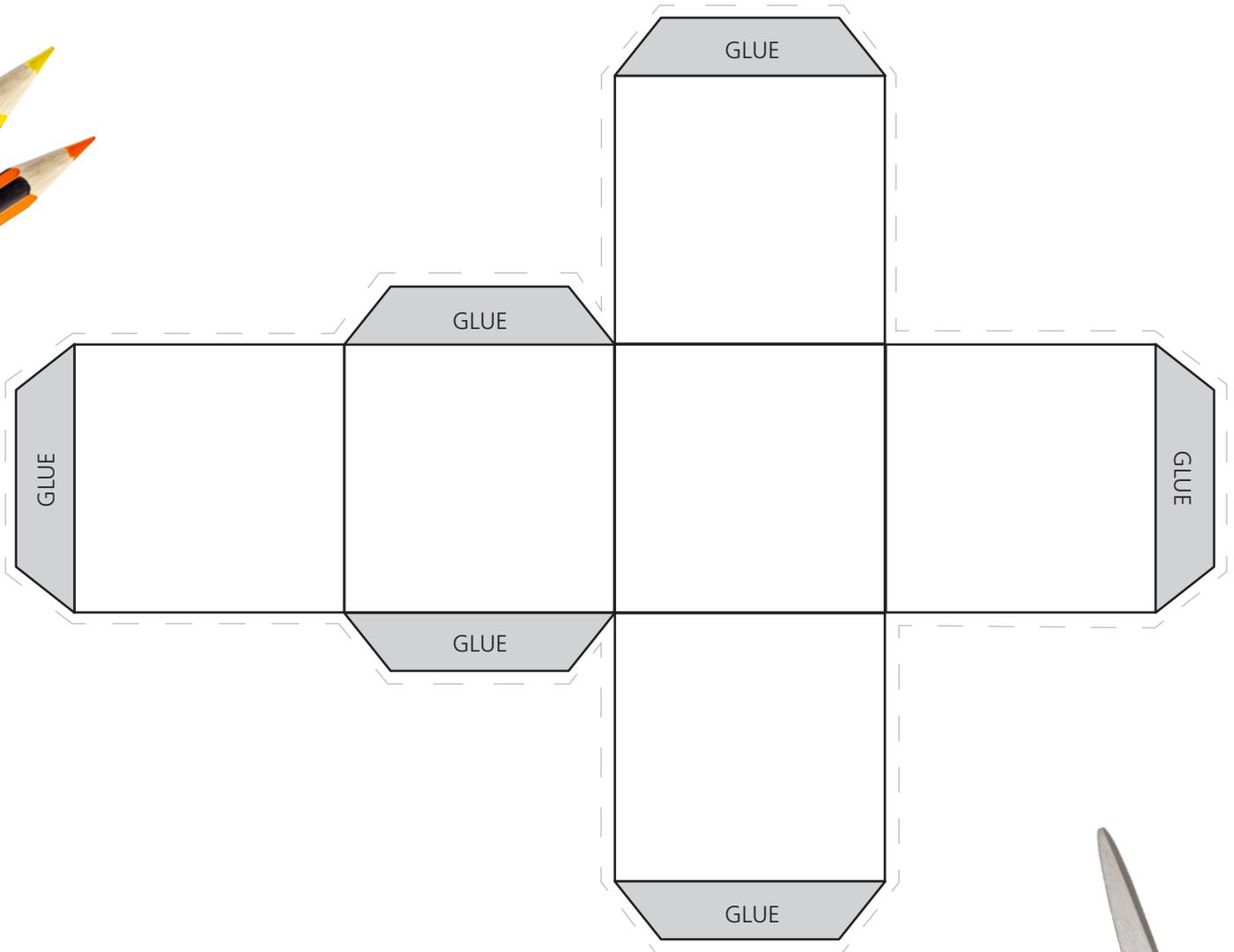


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## Activity Worksheet



Build your 3D shape



Can you guess the shape just by the description?

Test your classmate to see if they can guess your 3D shape without seeing it!

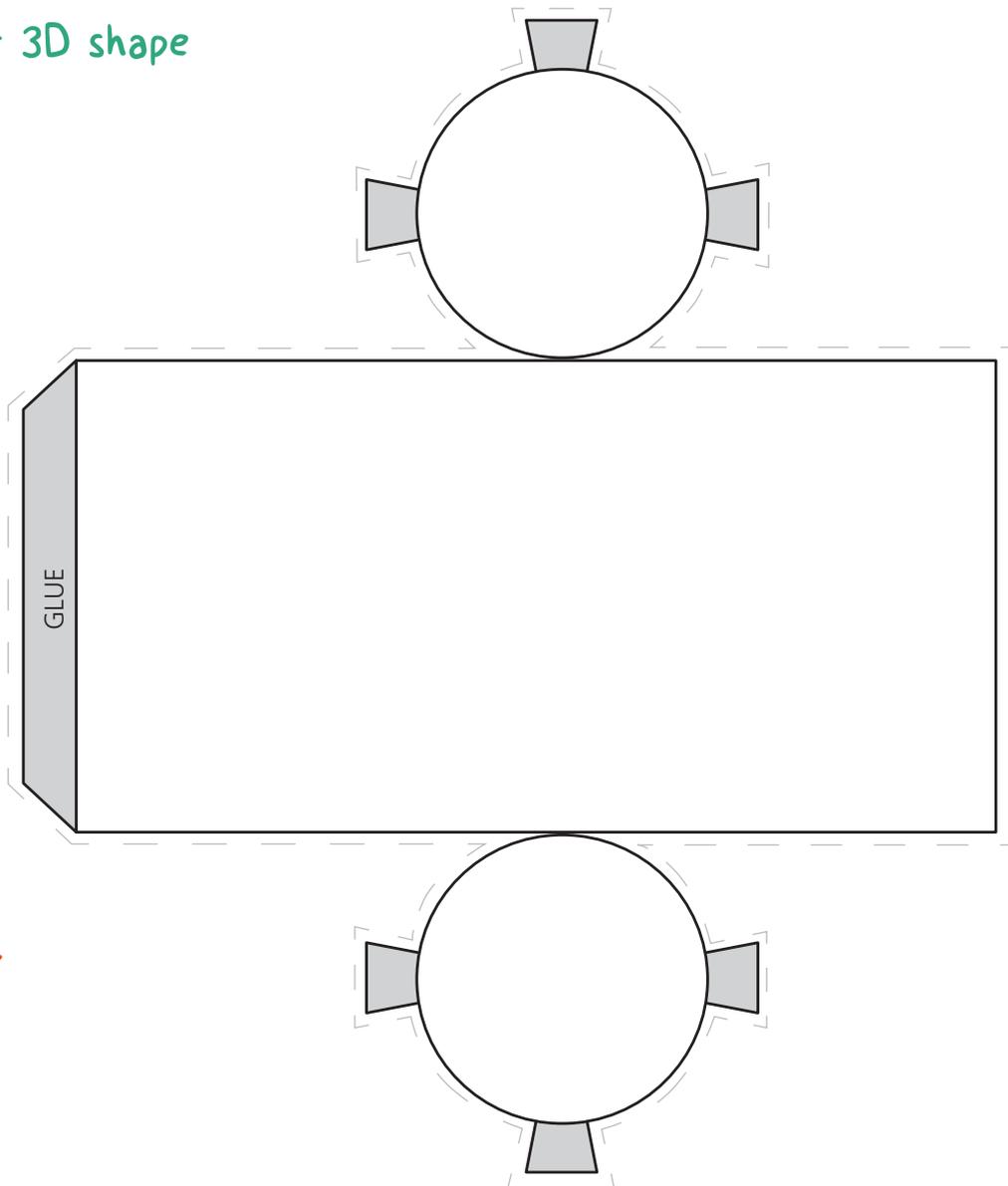
1. I have 6 faces.
2. I have 12 edges.
3. I also have 8 vertices.
4. My name is spelt with 4 letters.



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## Activity Worksheet

Build your 3D shape



Can you guess the shape just by the description?

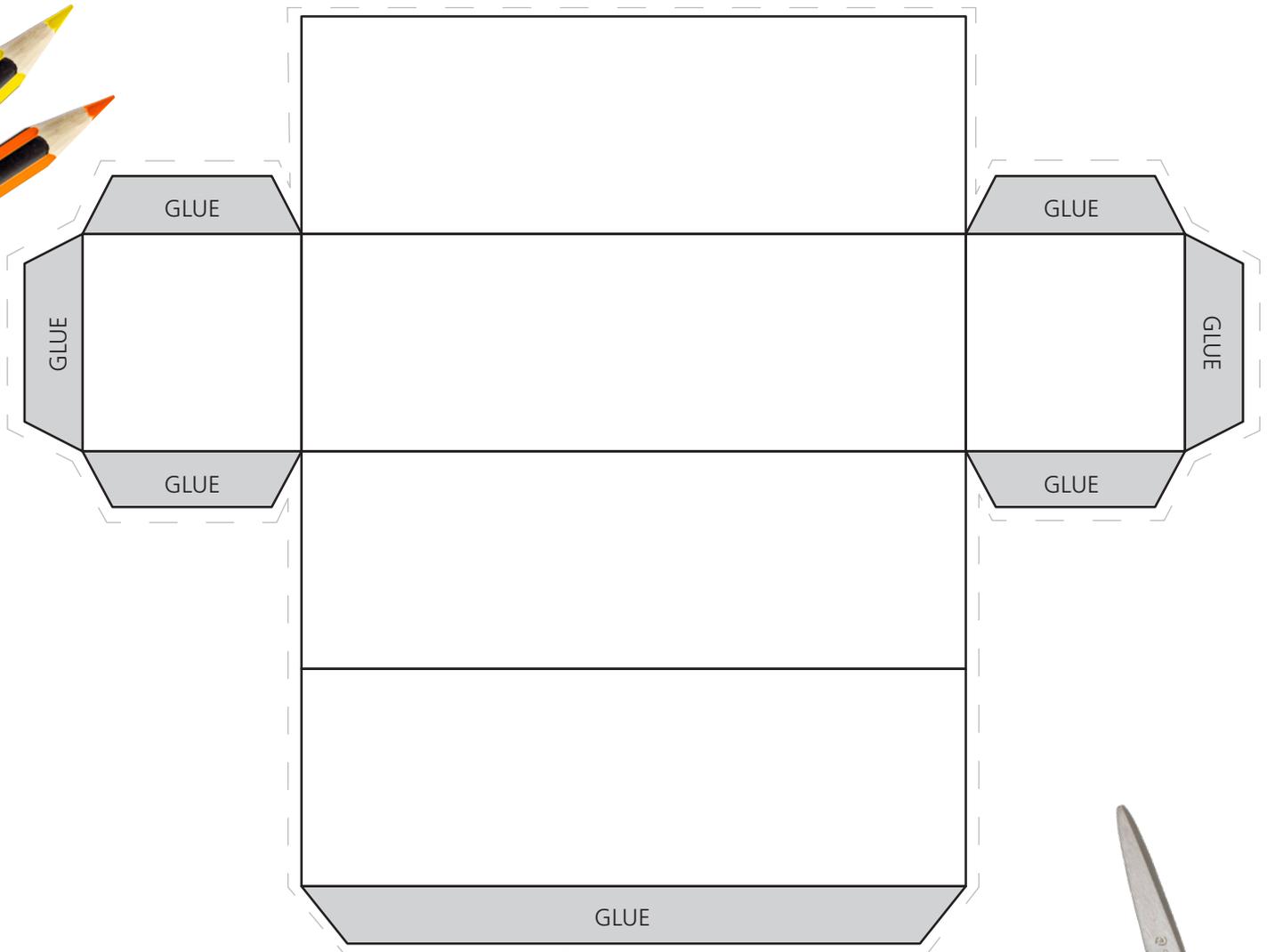
Test your classmate to see if they can guess your 3D shape without seeing it!

1. I have 3 faces.
2. I have 2 edges.
3. I also have 0 vertices.
4. My name is spelt with 8 letters.

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## Activity Worksheet

Build your 3D shape



Can you guess the shape just by the description?

Test your classmate to see if they can guess your 3D shape without seeing it!

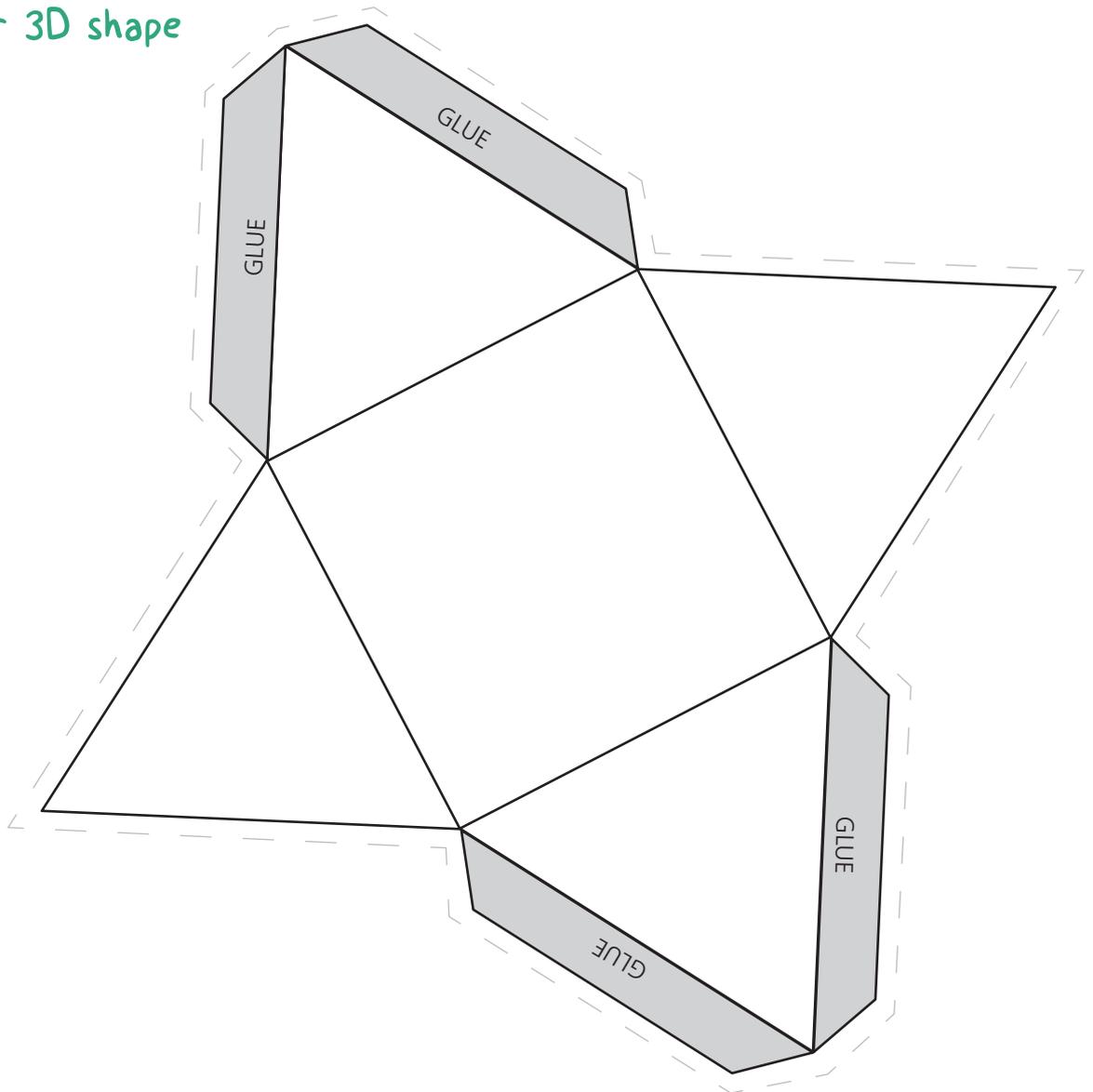
1. I have 6 faces.
2. I have 12 edges.
3. I also have 8 vertices.
4. My name consists of 2 words.



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## Activity Worksheet

Build your 3D shape



Can you guess the shape just by the description?

Test your classmate to see if they can guess your 3D shape without seeing it!

1. I have 5 faces.
2. I have 8 edges.
3. I also have 5 vertices.
4. My name is spelt with 7 letters.

