



GRADE 2 / WATCH MR DJ SOLVE

SHAPE ATTRIBUTES AND CUBES

Start with the same example used in the lesson slides.



WATCH MR DJ SOLVE

Draw a closed shape with 3 straight sides. Name it and mark its corners.

- 1 Draw 3 straight sides.
- 2 Close the shape without crossing sides.
- 3 It is a triangle.

Answer: triangle



REMEMBER recognize and draw shapes by sides, corners and faces, including cubes.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.



GRADE 2 / WORKED METHODS

SHAPE ATTRIBUTES AND CUBES

Read a complete example before trying the matching method.

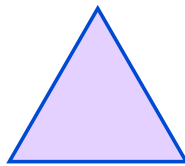


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

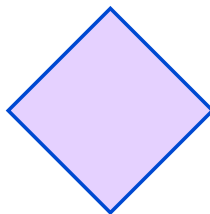
Count sides and corners

Triangle: 3 sides and 3 corners

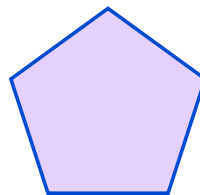
1. Trace the closed boundary.
2. Count three straight sides.
3. Mark the three corners.



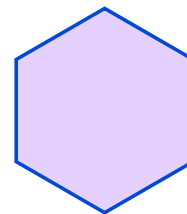
Triangle



Quadrilateral



Pentagon



Hexagon

Count straight sides and corners



GRADE 2 / WORKED METHODS

SHAPE ATTRIBUTES AND CUBES

Read a complete example before trying the matching method.

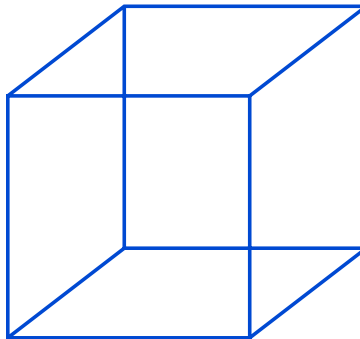


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

A cube has equal square faces

6 faces, 8 corners, 12 edges

1. Count the top, bottom and four side faces.
2. Every face is an equal square.
3. Hidden faces and edges still count.



Cube: 6 equal square faces, 8 corners, 12 edges



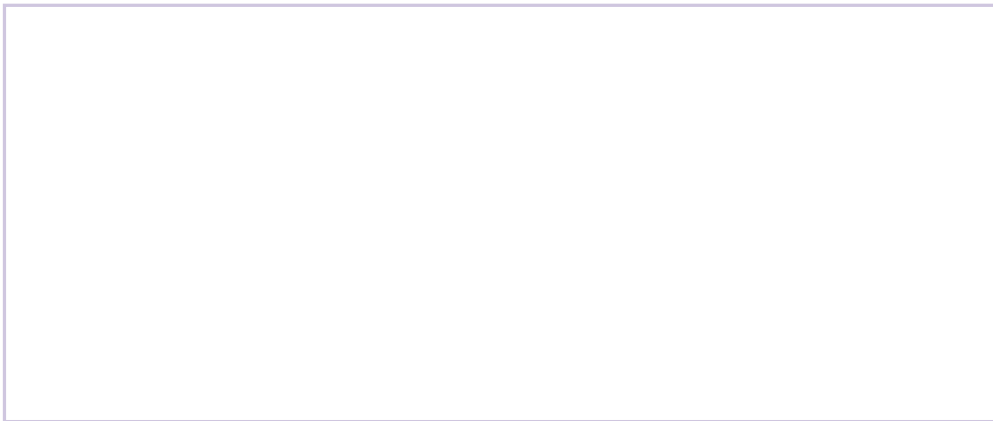
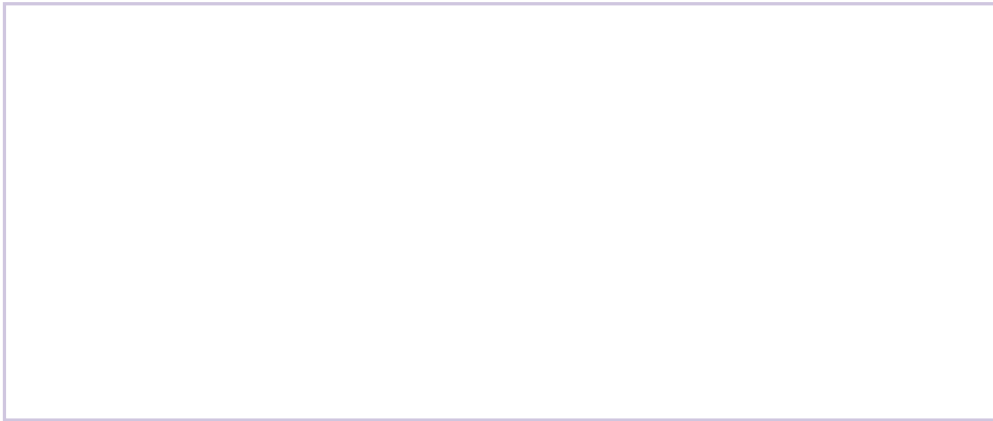
GRADE 2 / MATHEMATICAL WORK TOOL

SHAPE ATTRIBUTES AND CUBES

Draw, label and explain.



Draw closed shapes with straight sides. Mark and count corners. Turn a drawing to check that its shape family stays the same.





GRADE 2 / PRACTICE

SHAPE ATTRIBUTES AND CUBES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Mild

1. A shape has 4 straight sides and 4 corners. What is its name?

Grid area for working out the answer to Question 1.

My answer / conclusion: _____

◀ Mild

2. A blue cube is turned. How many square faces does it still have?

Grid area for working out the answer to Question 2.

My answer / conclusion: _____



GRADE 2 / PRACTICE

SHAPE ATTRIBUTES AND CUBES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Medium

3. Draw two different triangles. Keep 3 straight sides in each.

My answer / conclusion: _____



GRADE 2 / PRACTICE

SHAPE ATTRIBUTES AND CUBES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

◀ Medium

4. Find a blue cube-shaped classroom object. Describe its faces.

Grid area for problem 4.

My answer / conclusion: _____

◀ Medium

5. A blue cube has a face hidden underneath. How can you count all faces?

Grid area for problem 5.

My answer / conclusion: _____



Date _____

SHAPE ATTRIBUTES AND CUBES

A cartoon fox mascot with orange fur, large eyes, and a purple scarf, holding a yellow pencil.

Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

6. Digit says a tilted triangle loses its name. What should you check?

My answer / conclusion: _____



GRADE 2 / PRACTICE

SHAPE ATTRIBUTES AND CUBES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

7. A blue drawing has 3 line pieces but a gap. Is it a closed triangle?

Explain.

Grid area for drawing and explanation.

My answer / conclusion: _____



GRADE 2 / PRACTICE

SHAPE ATTRIBUTES AND CUBES

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. Draw a triangle and a quadrilateral. Explain one shared feature and one difference.

My answer / conclusion: _____