



GRADE 1 / WATCH MR DJ SOLVE

SHAPE ATTRIBUTES

Start with the same example used in the lesson slides.



WATCH MR DJ SOLVE

Draw a blue triangle. Mark its straight sides and corners.

- 1 Draw a closed shape.
- 2 Trace each straight side.
- 3 Mark each corner once.

Answer: **3 straight sides, with a closed boundary.**



REMEMBER name shapes by defining features, even when color, size or direction changes.

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 1 / WORKED METHODS

SHAPE ATTRIBUTES

Read a complete example before trying the matching method.

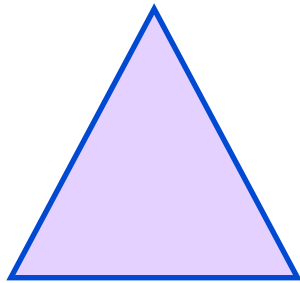


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

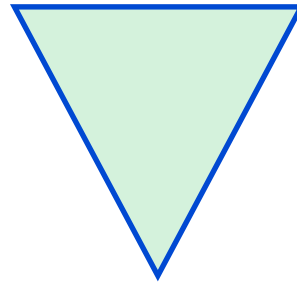
A triangle needs a closed boundary

Three straight sides make a triangle

1. Trace three straight sides.
2. Check that the ends meet.
3. Turning or recoloring keeps those features.



Triangle



Triangle after a turn

Both have a closed boundary of 3 straight sides



GRADE 1 / WORKED METHODS

SHAPE ATTRIBUTES

Read a complete example before trying the matching method.

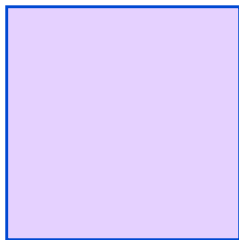


Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

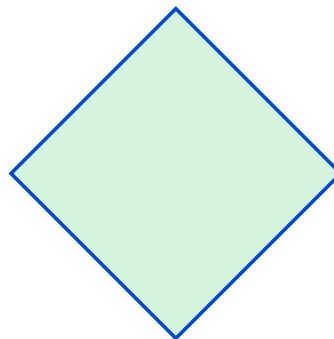
Color does not define a square

Both drawings are squares

1. Check the straight sides.
2. Each has four equal sides and four square corners.
3. A new color or turn changes only the look.



Square



Square after a turn

GRADE 1 / MATHEMATICAL WORK TOOL

SHAPE ATTRIBUTES

Draw, build or tell.



Draw and trace boundaries. Try different sizes, colors and directions. Check the defining sides and closure.





GRADE 1 / PRACTICE

SHAPE ATTRIBUTES

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

◀ Mild

1. Turn your blue triangle. Does its name change?

My answer or words: _____



GRADE 1 / PRACTICE

SHAPE ATTRIBUTES

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

◀ Mild

2. Draw a larger triangle. What features must stay?

My answer or words: _____



GRADE 1 / PRACTICE

SHAPE ATTRIBUTES

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

Medium

3. Draw a triangle in a new color. Does its shape family change?

My answer or words: _____



GRADE 1 / PRACTICE

SHAPE ATTRIBUTES

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

Medium

4. A drawing has 3 straight pieces but a gap. Is it a closed triangle?

My answer or words: _____



GRADE 1 / PRACTICE

SHAPE ATTRIBUTES

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

🔊 Medium

5. Draw two different triangles. Tell what makes both belong.

My answer or words: _____



GRADE 1 / PRACTICE

SHAPE ATTRIBUTES

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

🔥🔥🔥 Spicy

6. Digit says only a blue shape can be a triangle. Do you agree?

My answer or words: _____



GRADE 1 / PRACTICE

SHAPE ATTRIBUTES

Draw, build or tell your thinking.



Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

🔥 🔥 🔥 Spicy

7. Build a triangle using sticks. How can you check it?

My answer or words: _____



GRADE 1 / PRACTICE

SHAPE ATTRIBUTES

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Use the worked-method reference when helpful. Draw, build or tell your thinking. An adult may read the directions.

Extra Spicy

8. A triangle looks different after a turn. Which features can you check to keep its name?

My answer or words: _____