TEKS Geometry and Measurement—1.6.B. Name 1.6.E **PROBLEM SOLVING • Three-**MATHEMATICAL PROCESSES 1.1.B, 1.1.D, 1.1.E, 1.1.F **Dimensional Solids Essential Question** How can making a model help you identify and describe three-dimensional solids? Vnlock the Problem Norl Emma wants to draw an I am a toy. object for this riddle. I have only a curved surface. Read Plan What information am What is my plan I given? or strategy? The object is a <u>toy</u> with I can only a ______ surface. Solve Show how you solve the problem. I look at the solids that have a curved surface. A sphere has only a curved surface. A ball is a toy that is a sphere. Houghton Mifflin Harcourt Pu **HOME CONNECTION** • Your child solved this problem by looking at models of three-dimensional solids and finding a model with only a curved surface.

Try Another Problem

Draw an object for the riddle. Use models of solids to help you.

- What information am I given?
- What is my plan or strategy?

I am a block. I have 6 faces that are squares. Draw me.

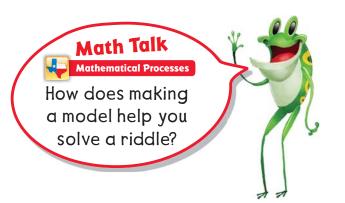
2.

Ι.

I am a hat. I have I flat surface. I have I curved surface. Draw me.

3.

I am a box. I have 2 faces that are squares. I have 4 faces that are rectangles. Draw me.



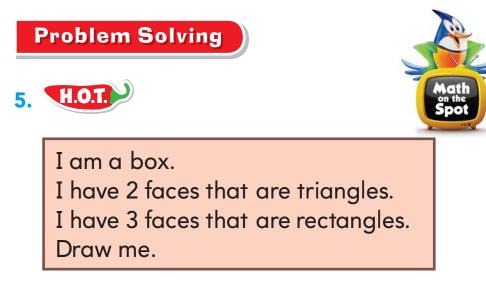
√4.

Share and Show



Draw an object for the riddle. Use models of solids to help you.

I am a can. I have 2 flat surfaces. I have I curved surface. Draw me.



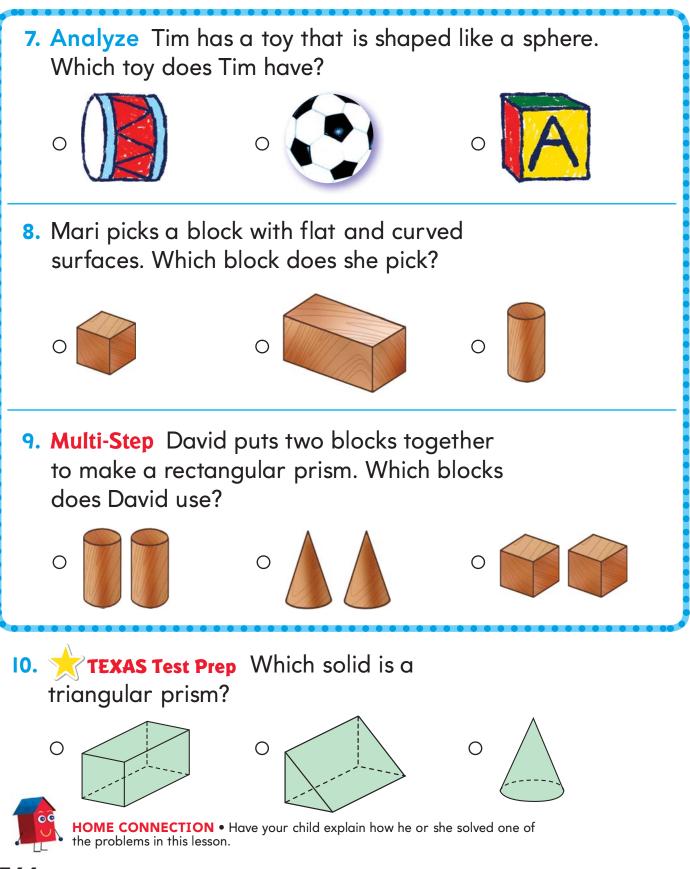


- I am a block.
- I have 6 faces.
- I have 8 vertices.
- Draw two different blocks I could be.





Choose the correct answer.



Homework and Practice



MATHEMATICAL PROCESSES 1.1.B, 1.1.D, 1.1.E, 1.1.F

Name

15.4 PROBLEM SOLVING • Three-**Dimensional Solids**

Draw an object for the riddle.

I have a curved surface. I have no flat surfaces. Draw me.

2.

Ι.

I am a block. I have I flat surface. I have I curved surface. Draw me.

Problem Solving

3.

I am a block. I have 3 faces that are rectangles. I have 2 faces that are triangles. Draw me.

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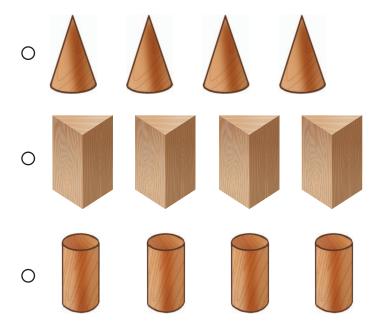
Choose the correct answer.

Lesson Check

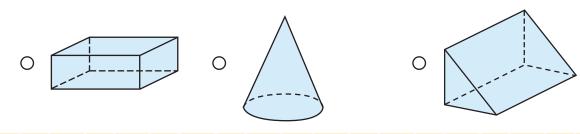
4. Wendy finds a toy that is shaped like a cube. Which toy does Wendy find?

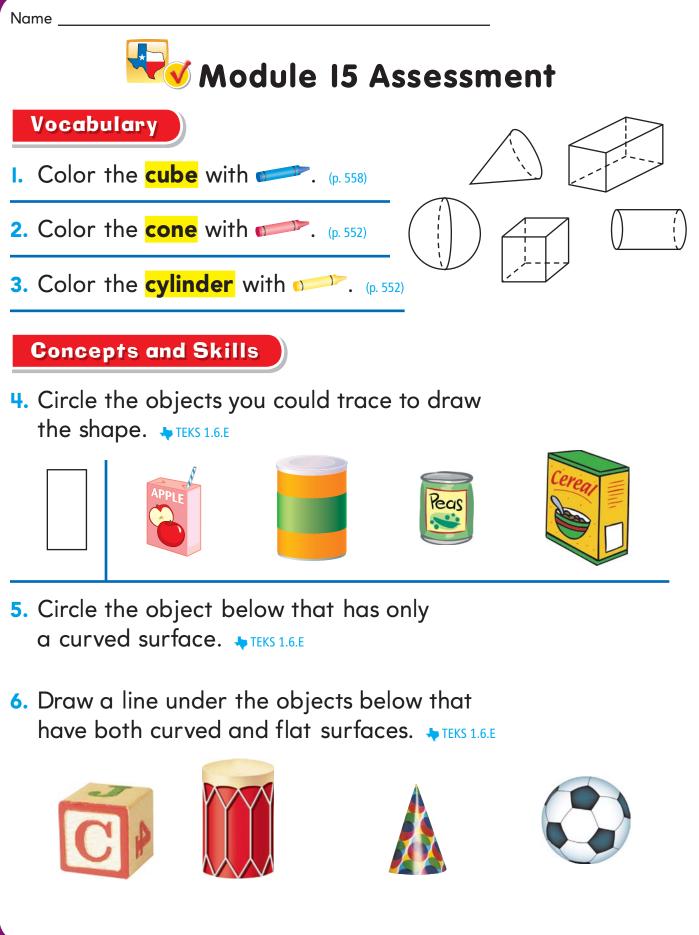


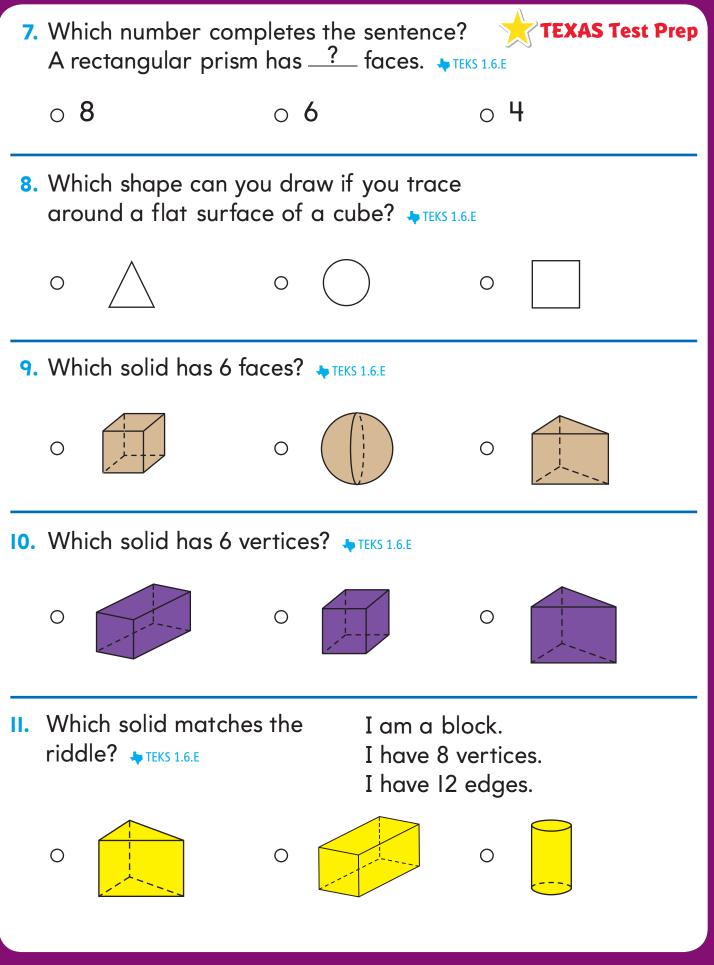
5. Multi-Step Winston puts four blocks together to make a tall cylinder. Which blocks does Winston use?



6. Which solid is a rectangular prism?







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