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## **30** Recognizing and Drawing Shapes



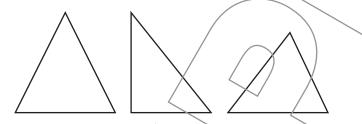
LESSON

## Introduction

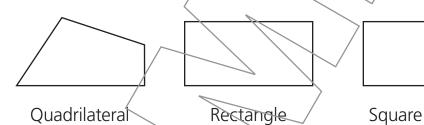
Shapes are often described by the number of sides and angles. A **side** is a straight line. An **angle** is the place where two straight sides meet. It looks like a corner.

Plane figures are flat shapes.

Triangles have 3 sides and 3 angles.



**Quadrilaterals** have 4 sides and 4 angles. Some quadrilaterals have special names.



Pentagons have 5 sides and 5 angles. Hexagons have 6 sides and

A **rectangle** is a quadrilateral. It has opposite sides that are the same length and square corners.

A **square** is a rectangle with sides that are the same length.



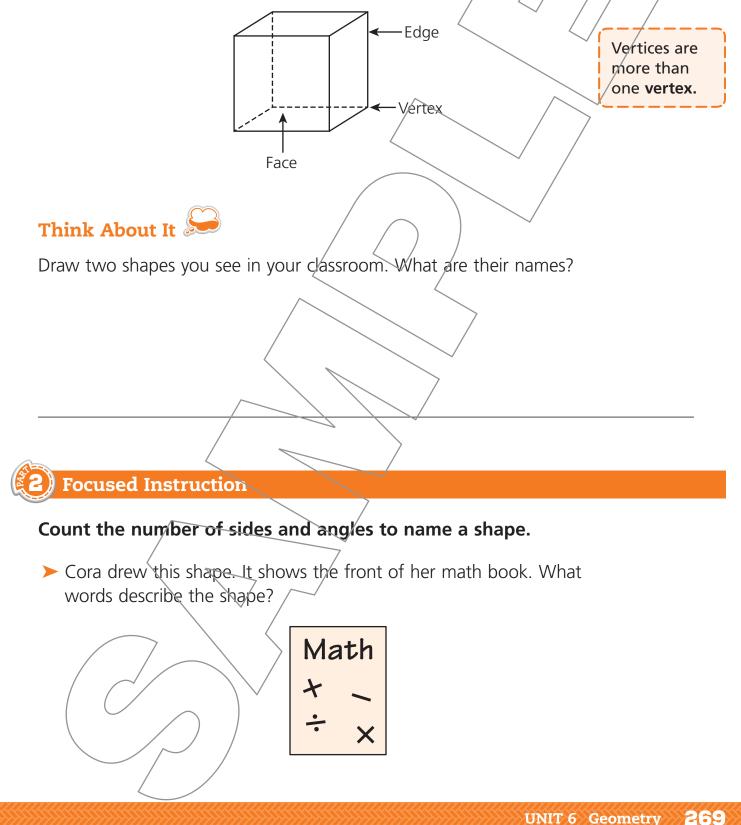
Pentagøn

Hexagon

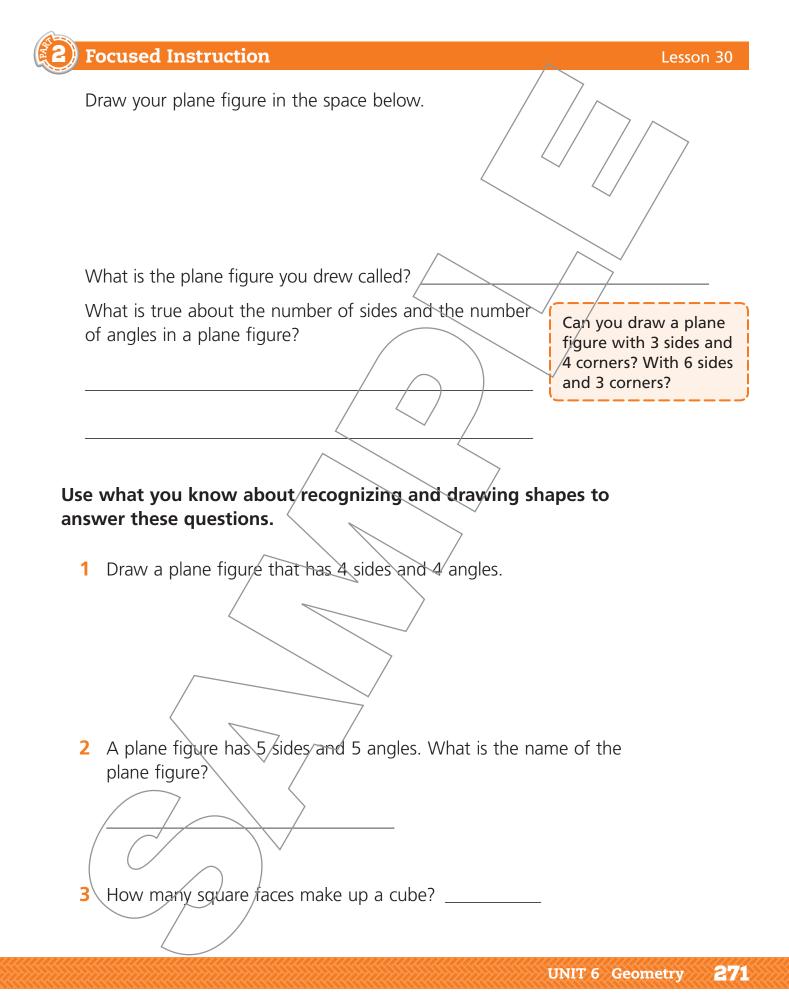
6 angles.

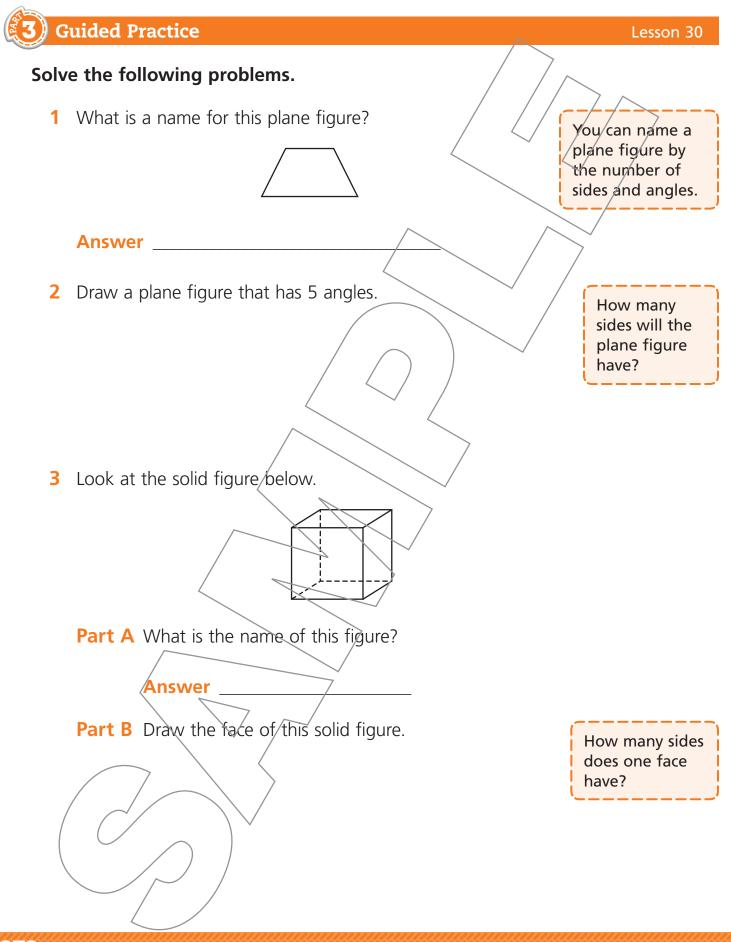
A **solid figure** is not flat. A **cube** is a solid figure.

A cube has 6 **faces** that are all squares. A face is a flat section. It has 8 **vertices**, which are angles formed when corners meet. It also has 12 **edges**, which are angles formed when two sides meet on a three-dimensional figure.



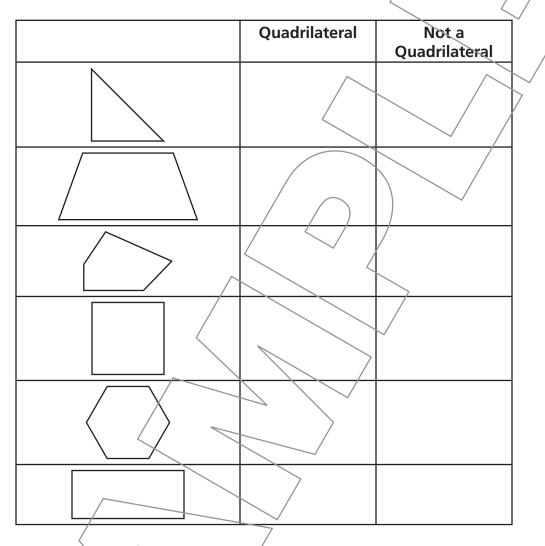
2 Focused Instruction	Lesson 30
How many sides does the shape have?	$\sim$
How many angles does it have?	You can describe
Choose the word that describes the shape with this number of sides and angles.	some shapes using more than
triangle quadrilateral pentagon hexagon	one name.
Are the corners of this figure square or not square?	7
What is true about the opposite sides of the figure?	
Look at your answers to the last two questions. What is another name that describes Cora's shape?	-
Use a description to draw a shape.	
Draw a plane figure that has 6 sides and 6 angles.	
What is a plane figure?	
What are sides?	
What are angles?	





## Solve the following problems.

1 Which of these plane figures are quadrilaterals? Mark the correct column for each plane figure.



2 How many square faces does a cube have?

