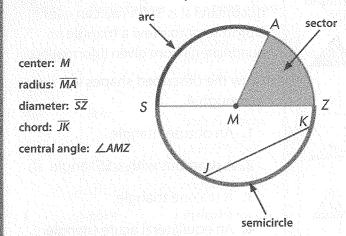
**Set F,** pages 288-289

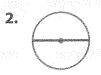
A circle is a closed plane figure made up of all points the same distance from a point called the center. Review these parts of a circle.



Remember that the sum of the adjacent central angles of any circle equals 360°.

In 1 and 2, identify the part of the circle shown in red.



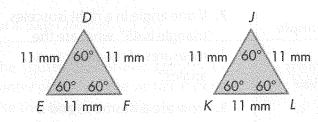


- 3. What is the length of the diameter of a circle with a 2-inch radius?
- 4. What are the measures of  $\angle CBD$  and  $\angle ABC$ ?



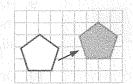
**Set E,** pages 284–286

These triangles are congruent. Corresponding sides and angles of congruent polygons are congruent.

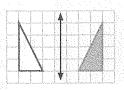


A transformation can be used to move a figure to a new position without changing its size or shape.

A translation moves a figure in a straight direction.

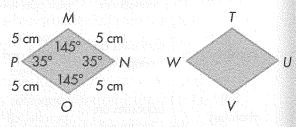


A reflection of a figure gives its mirror image over a line.

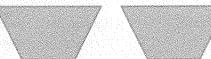


Remember that two figures are congruent if the corresponding sides and angles have the same measures.

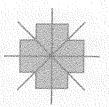
1. These quadrilaterals are congruent. Find the measure of  $\angle T$ ,  $\overline{TU}$ , and  $\angle U$ .



2. Tell whether these figures are related by a translation, a reflection, a glide reflection, or a rotation.



The figure to the right has four lines of reflection symmetry.



The star figure can rotate onto itself in less than a full turn. It has 72° ( $\frac{1}{5}$ -turn) rotational symmetry.



Remember that a figure has reflection symmetry if it can be reflected onto itself.

For 1 and 2, tell whether each figure has reflection symmetry, rotational symmetry, or both.





**Set G,** pages 290–291

Figure 1 has 3 rows and 3 columns of squares. For each successive figure, another row and column of squares are added.

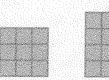


Figure 1





Figure 3

If this pattern continues for 3 more figures, how many squares will be in Figure 6?

Make a table and find the pattern.

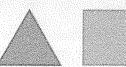
Figure 2

, Marc	Rows	Columns	Total Squares
	3		\$ 9
2	4		16
3	5	- 5	25
4	6	6	36
•	7	7	49
6	8	8	64

There will be 64 squares in Figure 6.

**Remember** that some problems can be solved by finding a pattern and making a table to extend the pattern.

1. Find the pattern and draw the next three figures.







2. Find the pattern and complete the table.

# of Pound	s 🕴 Total Cost
2	\$3.50
3	\$5.25
4	\$7.00
5	
6	