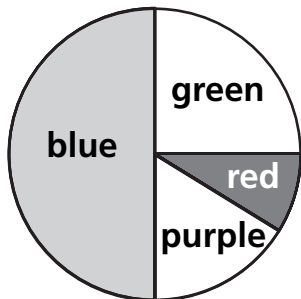


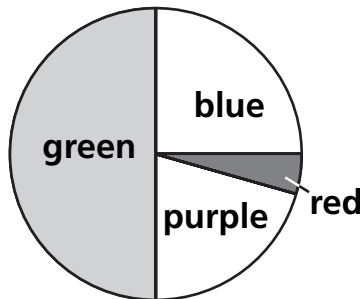
Introducing Angles

The pie charts show two classes' favorite colors:

MS. PANUCCI'S CLASS



MR. BOWEN'S CLASS



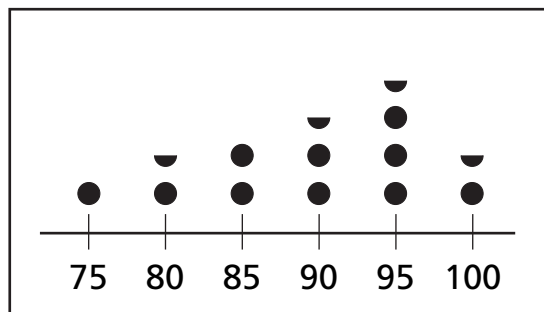
Write if the statements are **true** or **false**.

- 1 In Ms. Panucci's class, less than half of the students like green. _____
- 2 The same color is the least popular in both classes. _____
- 3 The same color is the most popular in both classes. _____
- 4 In Mr. Bowen's class, more students like green than all the rest of the colors put together. _____
- 5 Blue is more popular in Ms. Panucci's class than in Mr. Bowen's. _____



Test Prep

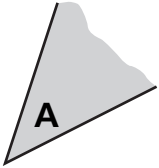
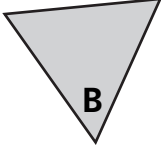
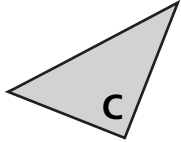
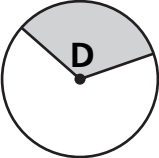
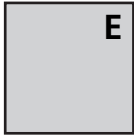
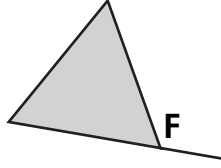


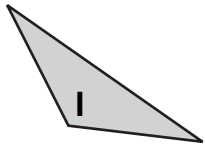
- 6 This graph shows how students scored on a test. How many students scored 90 or higher?
- A. 5 students C. 15 students
B. 7 students D. 24 students



Key: Each ● = 2 students.

Classifying Angles

Label each angle *acute*, *right*, or *obtuse*.

<p>1</p>  <p>A</p> <p>acute</p> <p>_____</p>	<p>2</p>  <p>B</p> <p>_____</p>	<p>3</p>  <p>C</p> <p>_____</p>
<p>4</p>  <p>D</p> <p>obtuse</p> <p>_____</p>	<p>5</p>  <p>E</p> <p>_____</p>	<p>6</p>  <p>F</p> <p>_____</p>
<p>7</p>  <p>G</p> <p>_____</p>	<p>8</p>  <p>H</p> <p>_____</p>	<p>9</p>  <p>I</p> <p>_____</p>



Test Prep

- 10 Jamie, Frank, and Andrea each measured the length of the same classroom using their own feet as the unit of measurement.
- Jamie reported a length that measured **67** of her feet.
 - Frank reported a length that measured **81** of his feet.
 - Andrea reported a length that measured **92** of her feet.

Explain how you know which student had the smallest feet.

Classifying Triangles by Angles

1 Name the angles from the smallest to the largest:

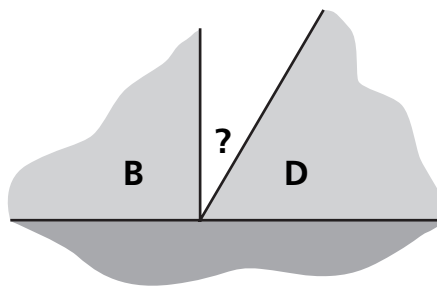
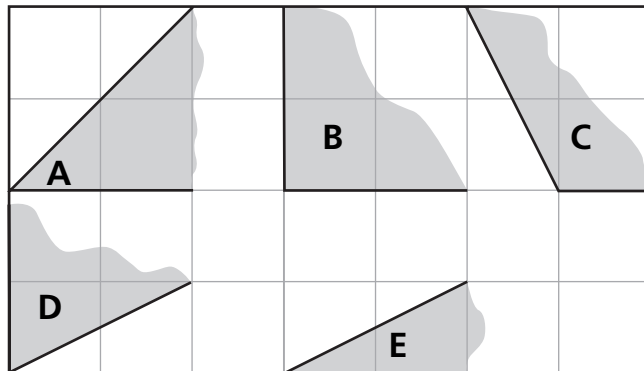
$\angle E$, \angle , \angle , \angle , \angle

2 \angle , \angle , and \angle are acute angles.

\angle is a right angle.

\angle is an obtuse angle.

3 \angle would fit in the empty space.



Test Prep

Cheese Sandwich . . .	\$1.50
Hamburger	\$1.75
Hot Dog	\$1.30

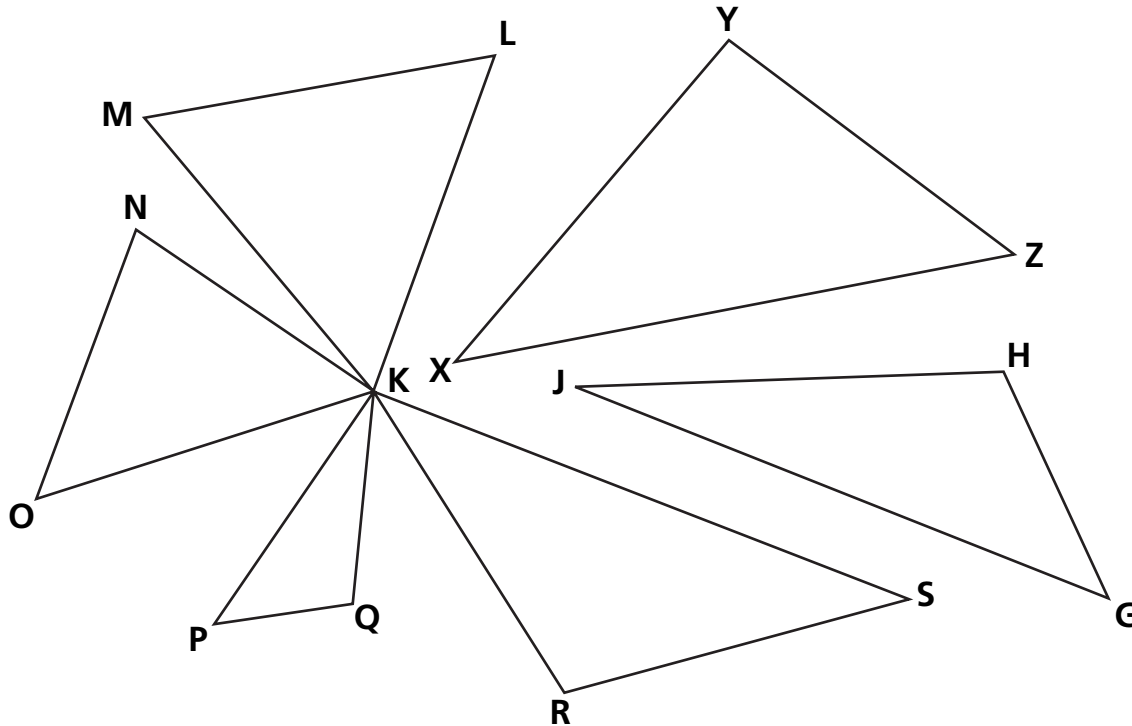
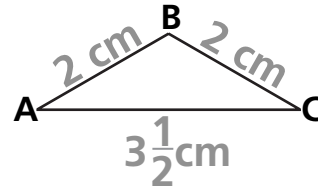
4 Jacob spent exactly \$8.65 on lunch for himself and two friends. What did he buy? Explain your answer.

Classifying Triangles by Side Length

Measure and write the sides of the triangles in centimeters. Then, classify the triangles.

Example:

Isosceles triangle: $\triangle ABC$



Equilateral triangle(s): _____ Isosceles triangle(s): _____

Scalene triangle(s): _____



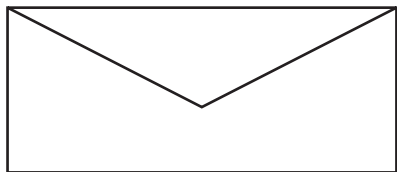
Test Prep

- | | |
|--|--|
| <p>1 Two friends plan to equally share the cost of a game. The game costs \$29.99 including tax. Which is the best estimate of the amount each of them will have to pay?</p> <p>A. \$10 C. \$15
B. \$14 D. \$20</p> | <p>2 Russell spent 90¢ on 6 note pads. He spent 60¢ on 10 pencils. How much more does one note pad cost than one pencil?</p> <p>A. 6¢ C. 15¢
B. 9¢ D. 20¢</p> |
|--|--|

Introducing Perpendicular and Parallel Lines

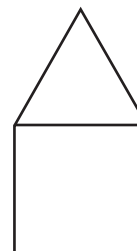
How many pairs of parallel lines are in these pictures?

1



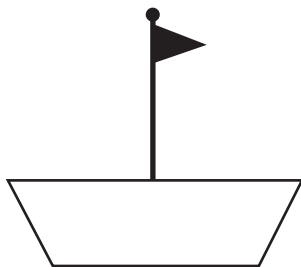
_____ pair(s) of parallel lines

2



_____ pair(s) of parallel lines

3



_____ pair(s) of parallel lines

4

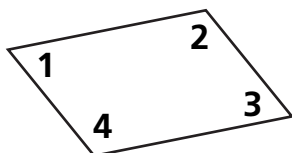


_____ pair(s) of parallel lines



Test Prep

5 Which angles are obtuse?




- A. Angles 1 and 2
- B. Angles 1 and 3
- C. Angles 1 and 4
- D. Angles 2 and 4


6 Enrique has 18 markers. He gives 5 of them to Kevin so that they each have the same number. How many markers do they have in all?


- A. 36
- B. 26
- C. 18
- D. 13


Classifying Quadrilaterals by the Number of Parallel Sides

Fill in the blanks for these figures.

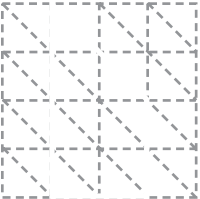
1  2 pair(s) of parallel sides
2 pair(s) of equal sides
4 right angles

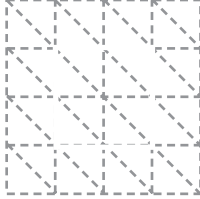
2  _____ pair(s) of parallel sides
2 pair(s) of equal sides
_____ right angles

3  _____ pair(s) of parallel sides
_____ pair(s) of equal sides
_____ right angles

4  _____ pair(s) of parallel sides
_____ pair(s) of equal sides
_____ right angles

Draw the quadrilaterals described below. You may trace the dotted lines to help.

5  1 pair of parallel sides
Exactly 2 right angles

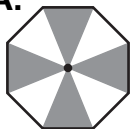
6  2 pairs of parallel sides
4 right angles
4 equal sides



Test Prep

7 Klarke is throwing darts onto different targets. He never misses the target completely. Which target gives him the best chance of hitting a shaded area?

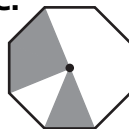
A.



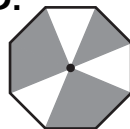
B.



C.



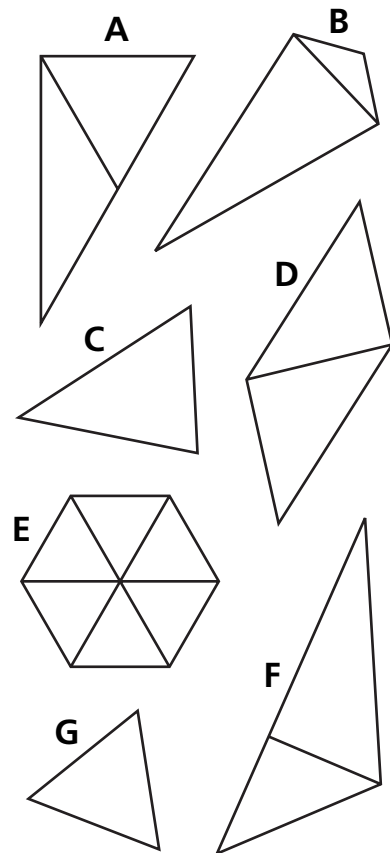
D.



Classifying Parallelograms

Match each figure to its description.
You may use a ruler to help.

- 1 An acute, scalene triangle _____
- 2 A right triangle made of two isosceles triangles—an acute one and an obtuse one _____
- 3 An equilateral triangle _____
- 4 A quadrilateral made of two isosceles triangles—an acute one and an obtuse one _____
- 5 A quadrilateral made of two congruent triangles _____
- 6 A figure made of equilateral triangles _____
- 7 A triangle made of two right triangles _____



Test Prep

- 8 Long balloons cost 10¢ each. Round balloons cost 15¢ each. Marie spent 90¢ on balloons. What is the greatest number of balloons she could have bought if she bought at least one of each kind? Explain your answer.

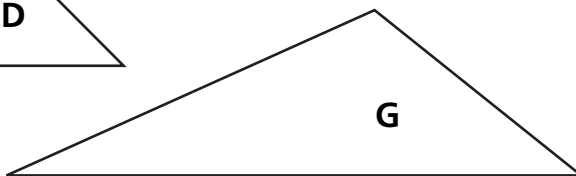
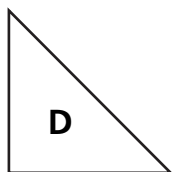
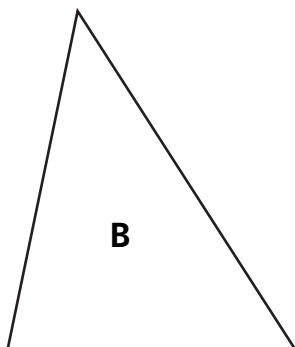
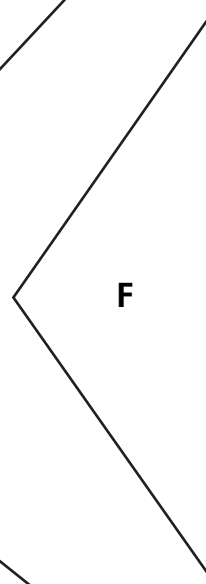
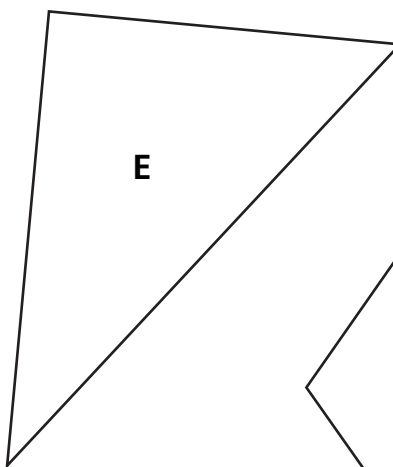
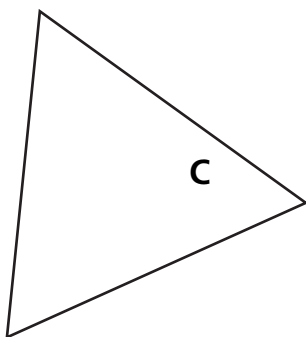
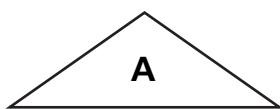
Symmetry in Triangles and Quadrilaterals

Classify the triangles by their lines of symmetry.

0 lines of symmetry: _____

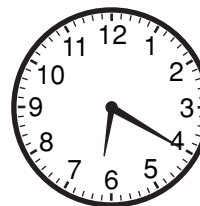
1 line of symmetry: _____

3 lines of symmetry: _____



Test Prep

- 1 Johanna started to play a video game at 4:45 P.M. When she finished playing, her watch showed this time:



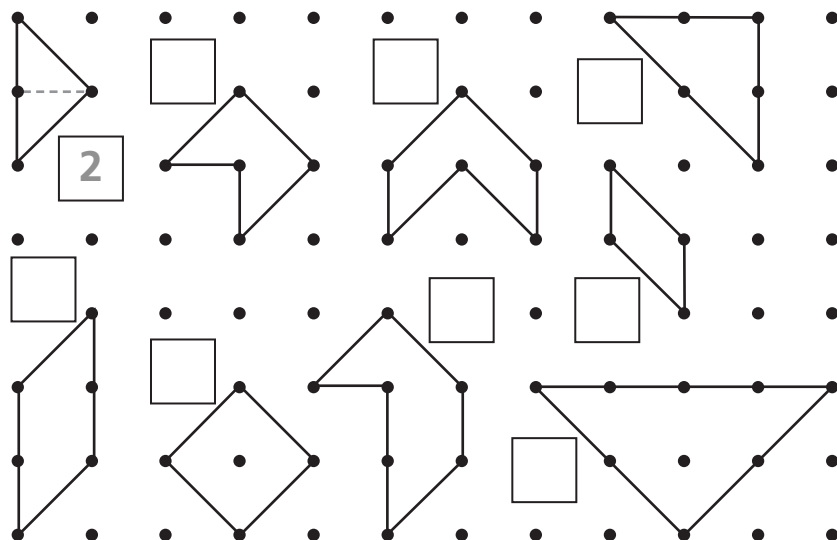
How long did she play? Explain.

Working with Transformations

1 How many pieces this size and shape will make the figures on the dot grid?



Draw lines to show the pieces.



2 This pattern was made by repeating a figure.



Draw the repeating figure.



The figure was: (circle all that could apply)

- Translated
- Rotated
- Reflected



Test Prep

3 In a room, chairs were arranged in 3 rows. There were 18 chairs in each row. After a meeting, 3 chairs were removed from one of the rows.

Which number sentence can be used to find the total number of chairs remaining after the meeting?

- A. $3 \times 18 - 3 = \blacksquare$
- B. $3 \times 18 + 3 = \blacksquare$
- C. $2 \times 18 = \blacksquare$
- D. $2 \times 18 - 3 = \blacksquare$