

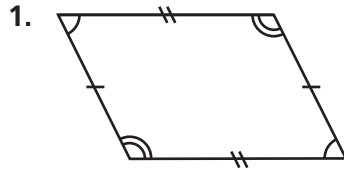
Name _____

Polygons

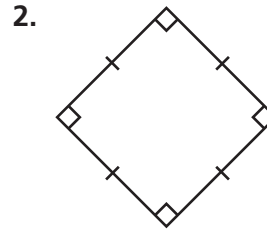


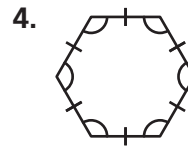
COMMON CORE STANDARD—5.G.3
Classify two-dimensional figures into categories based on their properties.

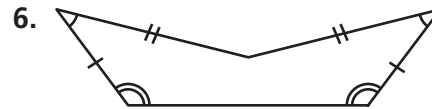
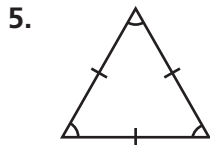
Name each polygon. Then tell whether it is a *regular polygon* or *not a regular polygon*.



4 sides, 4 vertices, 4 angles means it is a **quadrilateral**. The sides are not all congruent, so it is **not regular**.







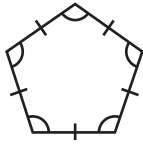
Problem Solving

7. Sketch nine points. Then, connect the points to form a closed plane figure. What kind of polygon did you draw?

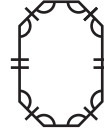
8. Sketch seven points. Then, connect the points to form a closed plane figure. What kind of polygon did you draw?

Lesson Check (5.G.3)

1. Name the polygon. Write whether it is regular or not regular.



2. Name the polygon. Write whether it is regular or not regular.



Spiral Review (5.OA.2, 5.NBT.7, 5.MD.1)

3. Ann needs 42 feet of fabric to make a small quilt. How many yards of fabric should she buy?

4. Todd begins piano practice at 4:15 P.M. and ends at 5:50 P.M. How long does he practice?

5. Jenna has 30 barrettes. She is organizing her barrettes into 6 boxes. She puts the same number of barrettes in each box. Write an expression that you can use to find the number of barrettes in each box.

6. Melody had \$45. She spent \$32.75 on a blouse. Then her mother gave her \$15.50. How much money does Melody have now?

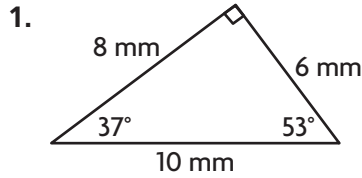
Name _____

Triangles



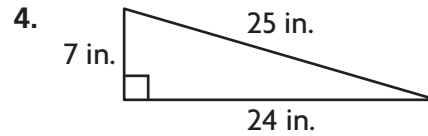
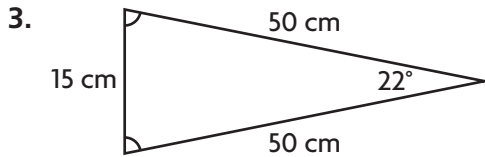
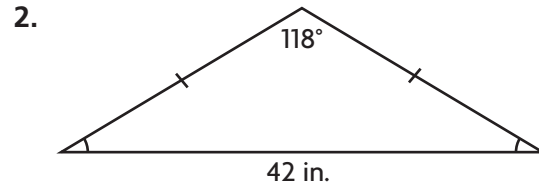
COMMON CORE STANDARDS—5.G.3, 5.G.4 Classify two-dimensional figures into categories based on their properties.

Classify each triangle. Write *isosceles*, *scalene*, or *equilateral*. Then write *acute*, *obtuse*, or *right*.



None of the side measures are equal. So, it is

scalene. There is a right angle, so it is a right triangle.



A triangle has sides with the lengths and angle measures given. Classify each triangle. Write *scalene*, *isosceles*, or *equilateral*. Then write *acute*, *obtuse*, or *right*.

5. **sides:** 44 mm, 28 mm, 24 mm
angles: 110°, 40°, 30°

6. **sides:** 23 mm, 20 mm, 13 mm
angles: 62°, 72°, 46°

Problem Solving



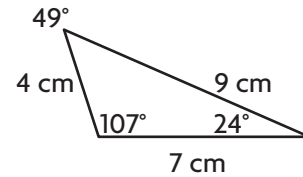
7. Mary says the pen for her horse is an acute right triangle. Is this possible? **Explain.**

8. Karen says every equilateral triangle is acute. Is this true? **Explain.**

Lesson Check (5.G.3, 5.G.4)

1. If two of a triangle's angles measure 42° and 48° , how would you classify that triangle? Write *acute*, *obtuse*, or *right*.

2. What is the classification of the following triangle? Write *scalene*, *isosceles*, or *right*.



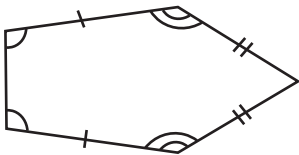
Spiral Review (5.MD.1, 5.G.3)

3. How many tons are equal to 40,000 pounds?

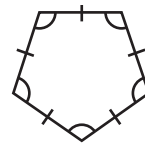
4. Choose a symbol to make the following statement true. Write $>$, $<$, or $=$.

6 kilometers 600 centimeters

5. What polygon is shown?



6. Name the polygon. Write whether it is regular or not regular.



Name _____

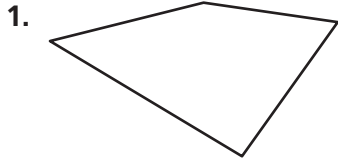
Quadrilaterals



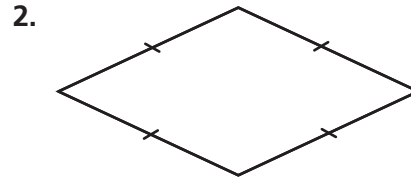
COMMON CORE STANDARD—5.G.4
Classify two-dimensional figures into categories based on their properties.

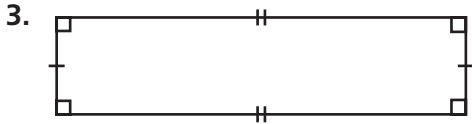
Classify the quadrilateral in as many ways as possible.

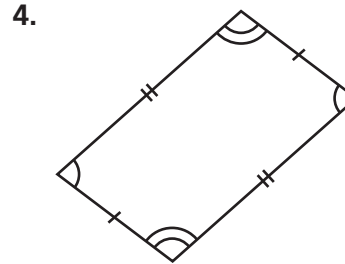
Write *quadrilateral, parallelogram, rectangle, rhombus, square, or trapezoid*.

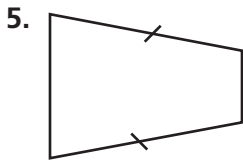


It has 4 sides, so it is a quadrilateral.
None of the sides are parallel, so there is
no other classification.











Problem Solving



7. Kevin claims he can draw a trapezoid with three right angles. Is this possible? **Explain.**

8. “If a figure is a square, then it is a regular quadrilateral.” Is this true or false? **Explain.**

Lesson Check (5.G.4)

1. What quadrilateral has exactly one pair of parallel sides?
2. Complete the following statement. Write *sometimes*, *always*, or *never*.

A rhombus _____ has four congruent angles.

Spiral Review (5.NF.3, 5.MD.1, 5.G.3, 5.G.4)

3. How many kilograms are equal to 5,000 grams?
4. The sides of a triangle measure 6 inches, 8 inches, and 10 inches. The triangle has one 90° angle. What type of triangle is it?

5. A warehouse has 355 books to ship. Each shipping carton holds 14 books. How many cartons does the warehouse need to ship all of the books?
6. How many vertices does a heptagon have?

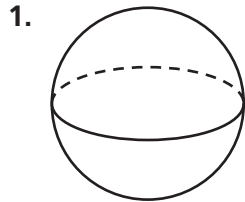
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Three-Dimensional Figures



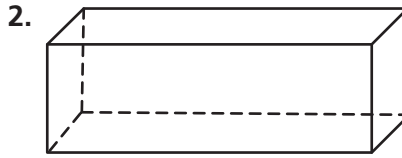
COMMON CORE STANDARD—5.MD.3
Geometric measurements: understand concepts of volume and relate volume to multiplication and to addition.

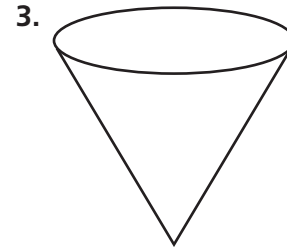
Classify the solid figure. Write *prism*, *pyramid*, *cone*, *cylinder*, or *sphere*.



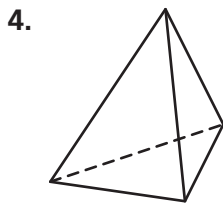
There are no bases. There is 1 curved surface. It is a

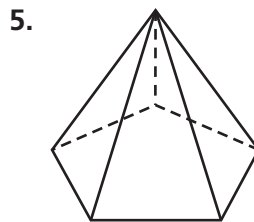
sphere

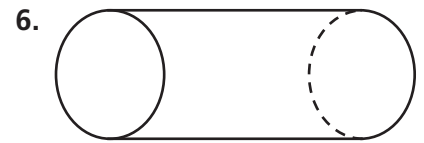


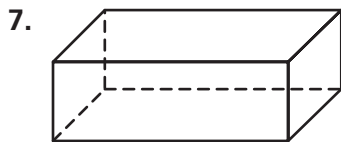


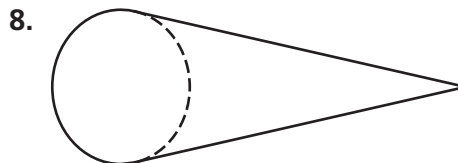
Name the solid figure.

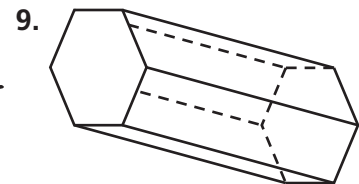












Problem Solving

10. Darrien is making a solid figure out of folded paper. His solid figure has six congruent faces that are all squares. What solid figure did Darrien make?

11. Nanako said she drew a square pyramid and that all of the faces are triangles. Is this possible? **Explain.**

Lesson Check (5.MD.3)

1. Luke made a model of a solid figure with 1 circular base and 1 curved surface. What solid figure did he make?
2. How many rectangular faces does a hexagonal pyramid have?

Spiral Review (5.NF.1, 5.MD.1, 5.G.3, 5.G.4)

3. Laura walks $\frac{3}{5}$ mile to school each day. Isaiah's walk to school is 3 times as long as Laura's. How far does Isaiah walk to school each day?
4. James has $4\frac{3}{4}$ feet of rope. He plans to cut off $1\frac{1}{2}$ feet from the rope. How much rope will be left?

5. Latasha made 128 ounces of punch. How many cups of punch did Latasha make?
6. Complete the following statement. Write *sometimes*, *always*, or *never*.

Trapezoids are _____ parallelograms.