

AMERICAN MATH HW
WEEK OF January 26-30, 2026

Due Date: Sunday, 2/1 by midnight

Focus for the week: The focus of the HW this week is Quadrilaterals and a focus on vocabulary.

Pacing guideline: Look at the top right corner of the page for the suggested pace.

Uploading Instructions: Homework will be accepted only through Archie. Upload homework on Archie and wait till you get the message – “**the file has been successfully uploaded**”. If for any reason you have technical issues, get in touch with me as soon as possible.

Paper homework is accepted for valid reasons. In such cases, parents should reach out via email to inform about the same.

IMPORTANT – Please show ALL YOUR WORK done to find the answer to any problem to earn FULL CREDIT. No credit is earned when only final answer is written and no work is shown.

Note: Bring your homework to class everyday. I will discuss the HW from the previous day in every class. It is important to practice the assigned topics daily because the next day’s instruction builds on the previous lesson.

ANNOUNCEMENT – Quiz on Thursday 1/29

Additional Practice Material (Optional):

- 1) IXL practice:
 - i. Go to IXL.com on any web browser OR IXL app on iPad
 - ii. Login using following credentials:
 - Username – your_archie_username@archimedeanacad
 - Password – archie199
 - iii. Go to Learning> Skills> Fourth Grade Math
 - iv. Practice modules –
Fourth Grade : JJ, KK, LL, MM

Classify Quadrilaterals

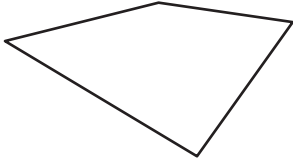
Go Online

Interactive Examples

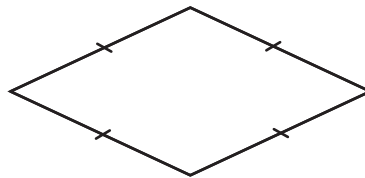
Classify the quadrilateral in as many ways as possible.

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

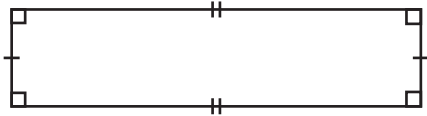
1.


 It has 4 sides, so it is a _____.
 None of the sides are parallel, so there is

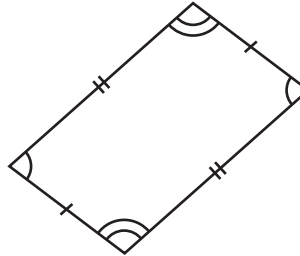
2.



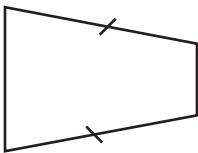
3.



4.



5.



6.



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.

 9.  **WRITE** *Math* All rectangles are parallelograms. Are all parallelograms rectangles? Explain.

Lesson Check

10. Complete the following statement. Write *sometimes*, *always*, or *never*.
11. Complete the following statement. Write *sometimes*, *always*, or *never*.

A trapezoid _____ has exactly one pair of parallel sides.

A rhombus _____ has four angles with the same measure.

Spiral Review

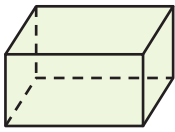
12. How many kilograms are equal to 5,000 grams?
13. The sides of a triangle measure 6 inches, 8 inches, and 10 inches. The triangle has one 90° angle. What type of triangle is it?

14. 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?
15. How many vertices does a rhombus have?

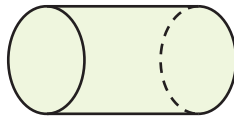
On Your Own

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

7.



8.



9.

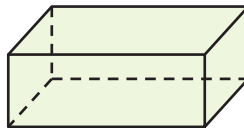


Name the solid figure.

10.



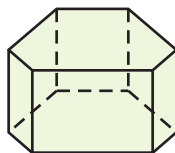
11.



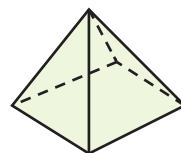
12.



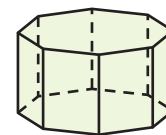
13.



14.



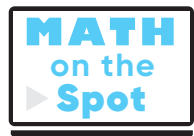
15.



Problem Solving • Applications

16. **MTR** Mario is making a sculpture out of stone. He starts by carving a base with five sides. He then carves five triangular lateral faces that all meet at an apex. What three-dimensional figure does Mario make?

17. What is another name for a cube? Explain your reasoning.



18. Compare the characteristics of prisms and pyramids. Tell how they are alike and how they are different.

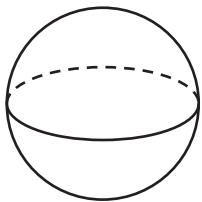
Identify and Classify Three-Dimensional Figures

Go Online

Interactive Examples

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

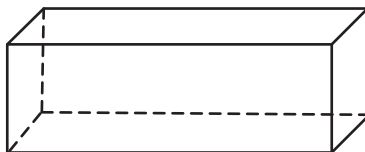
1.



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

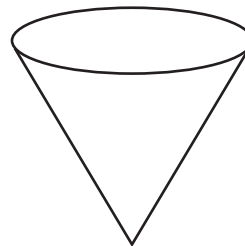
_____.

2.



_____.

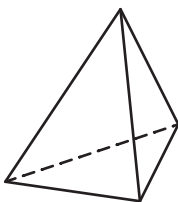
3.



_____.

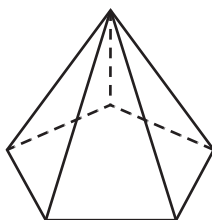
Name the solid figure.

4.



_____.

5.



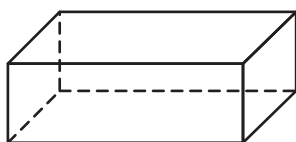
_____.

6.



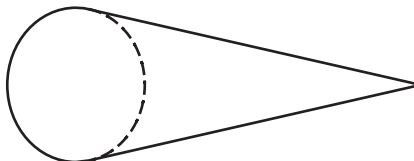
_____.

7.



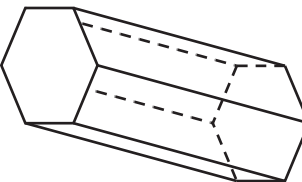
_____.

8.



_____.

9.




_____.

Problem Solving

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

_____.

11. **WRITE**  *Math* Explain why a three-dimensional figure with a curved surface is not a polyhedron.

_____.