

NAME \_\_\_\_\_

DATE \_\_\_\_\_

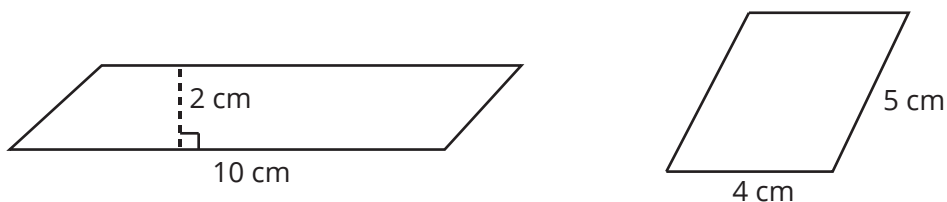
PERIOD \_\_\_\_\_

## Test 1 Study Guide

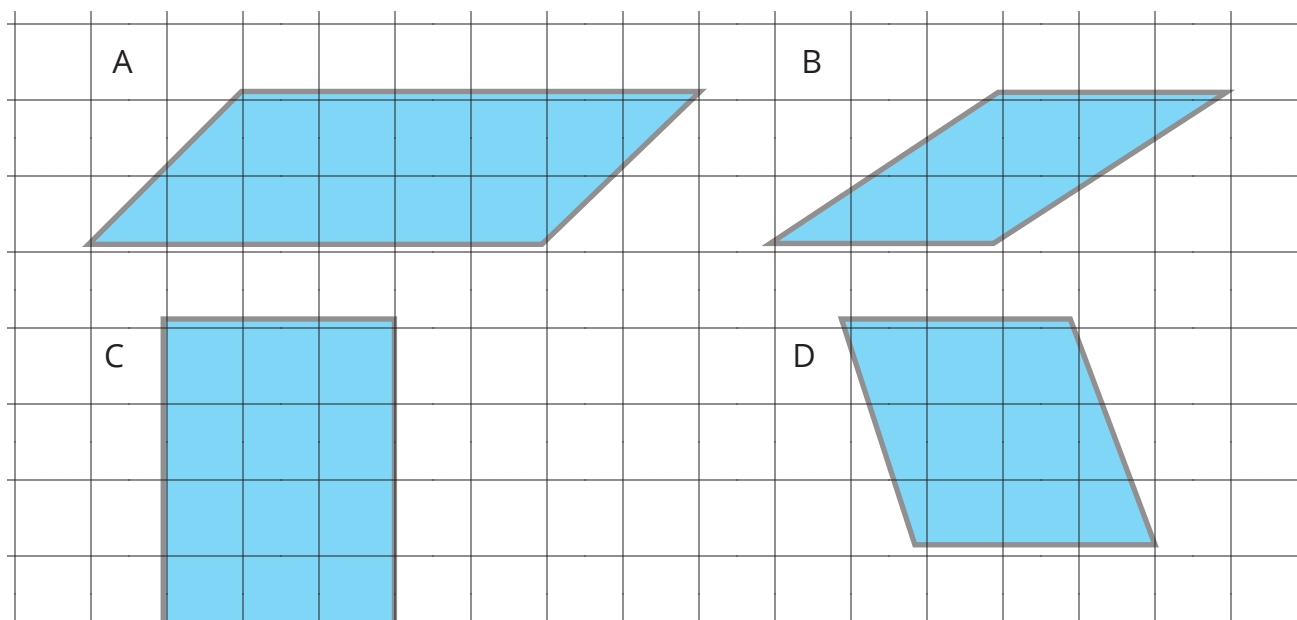
Calculators may not be used on this test. Multiplication tables will be available.

For all grids, each small square on the grid has an area of one square unit unless otherwise indicated.

1. Which parallelogram has an area of 20 square centimeters?



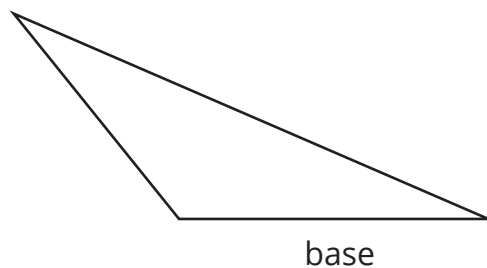
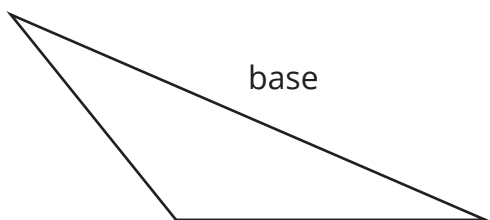
2. Select **all** the parallelograms that have an area of 12 square units.



*Stuck? Review Lesson 5 Practice Problem 3 on p. 34 of your workbook.*

*Need more practice with this task? Work on Khan Academy "Area of a parallelogram."*

3. On each triangle, draw a segment to represent the height that corresponds to the given base. Label each height with the word "height."

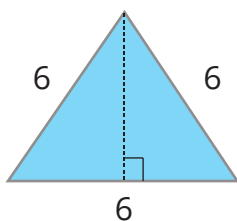


*Stuck? Review Lesson 10 Task 2 on p. 64 of your workbook.*

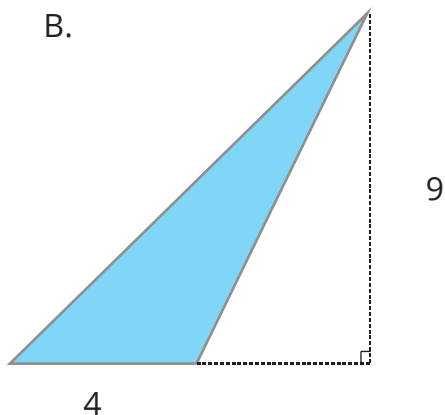
*Need more practice with this task? Work on Khan Academy "Find base and height on a triangle."*

4. Select **all** the triangles that have an area of 36 square units. Diagrams are NOT to scale.

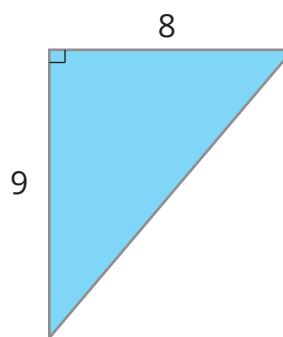
A.



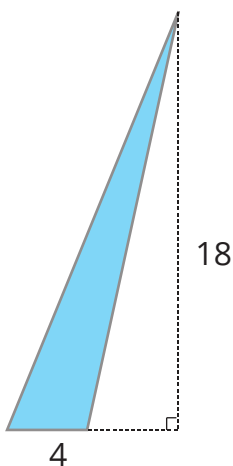
B.



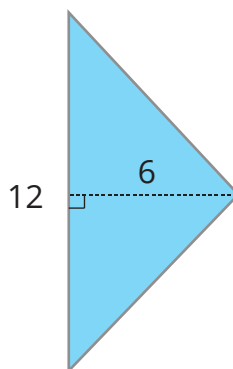
C.



D.



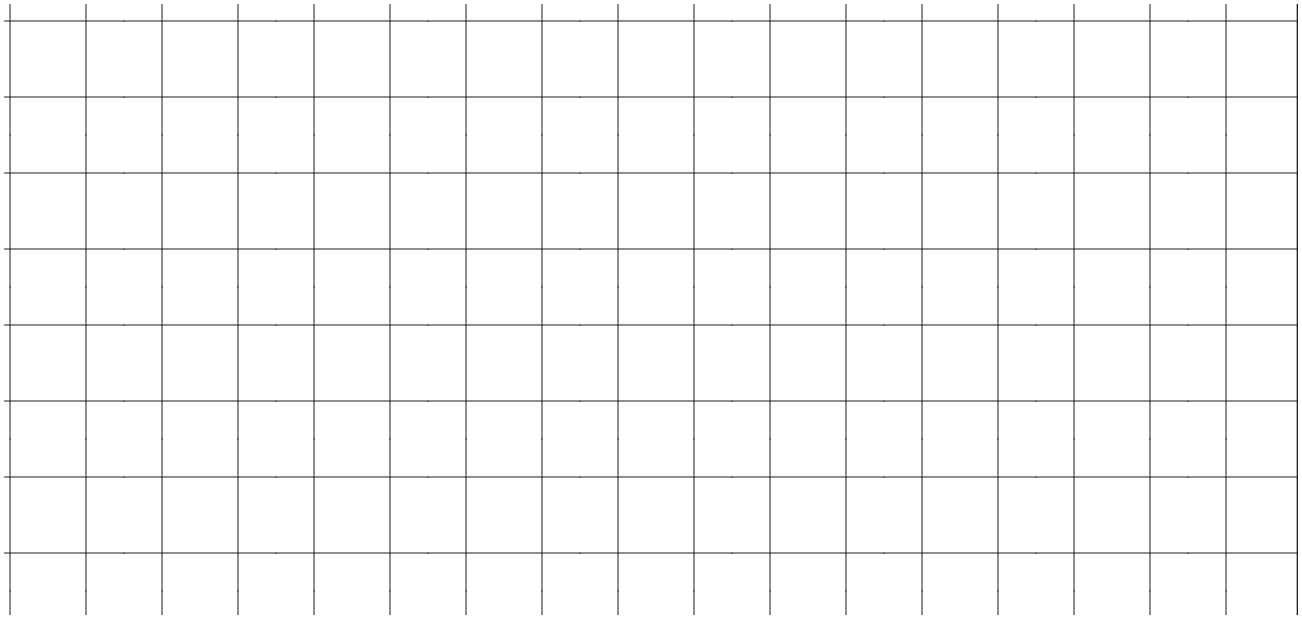
E.



*Stuck? Review Lesson 10 Practice Problem 2 on p. 68 of your workbook.*

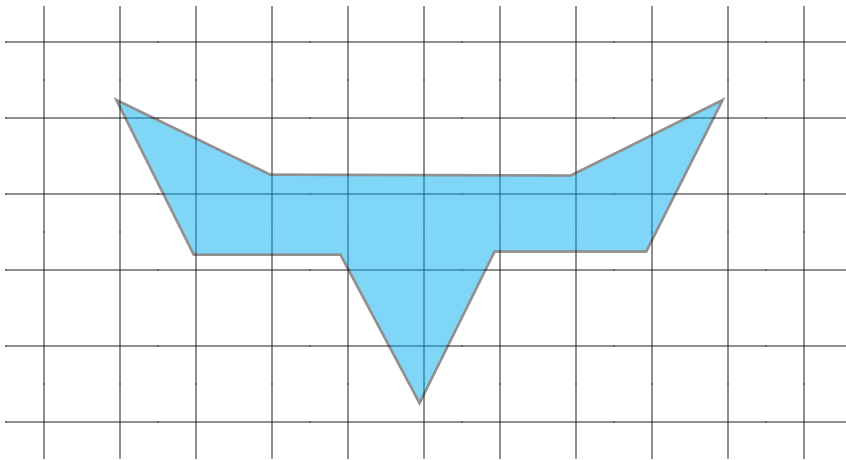
*Need more practice with this task? Work on Khan Academy "Area of a triangle."*

5. Draw two distinct parallelograms, both with areas of 16 square units.



*Stuck? Review Lesson 6 Practice Problem #3 on p. 37 of your workbook.*

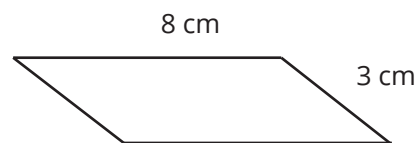
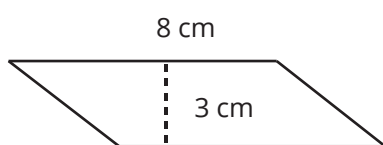
6. Find the area of the given figure. Explain your reasoning.



*Stuck? Review Lesson 10 Practice Problem #5 on p. 69 of your workbook.*

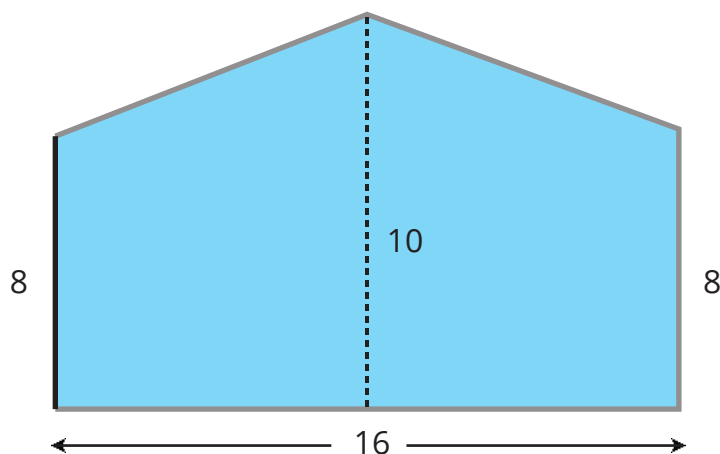
*Need more practice with this task? Work on Khan Academy "Area of composite shapes."*

7. Which parallelogram has a greater area? Explain how you know.



*Stuck? Review your parallelogram base-height practice packet.*

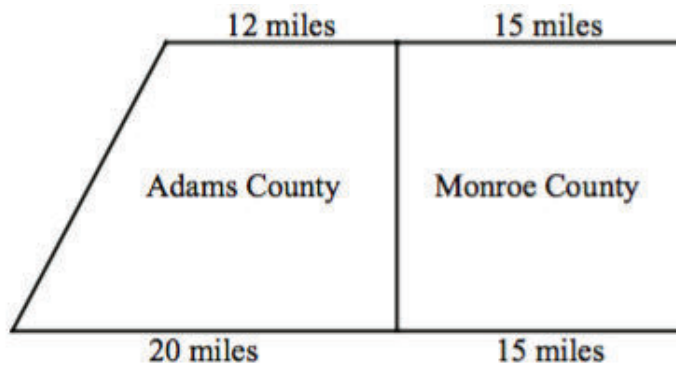
8. The figure is a diagram of a wall. Lengths are given in feet.



a. What is the area of the wall in square feet? Explain your reasoning.

b. A small can has enough paint to cover 25 square feet. How many cans of paint must be purchased to paint the wall?

9. The sheriff of Adams County and the sheriff of Monroe County are having an argument. They each believe that their own county is larger than the other county. Who is right? Write an explanation that would settle the argument.<sup>1</sup>



All boundaries run directly north-south or east-west, except for the western boundary of Adams County.