

Math 5 Benchmark 3 Study Guide

1. Plot the following points on the coordinate grid below.

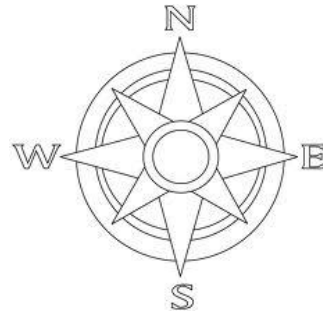
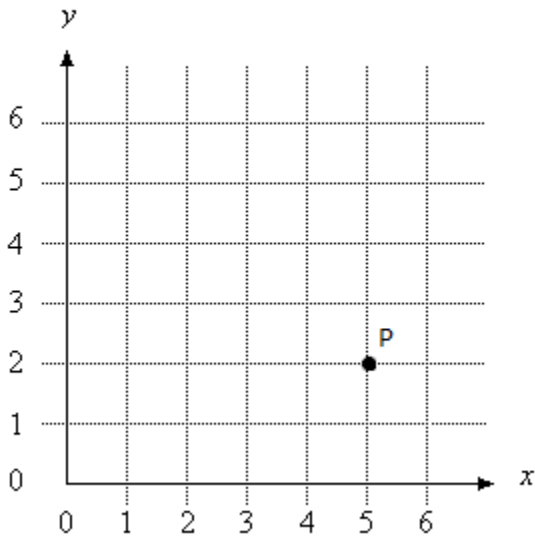
C= (3, 4)

A= (1, 2)

B= (2, 3)

D= (,)

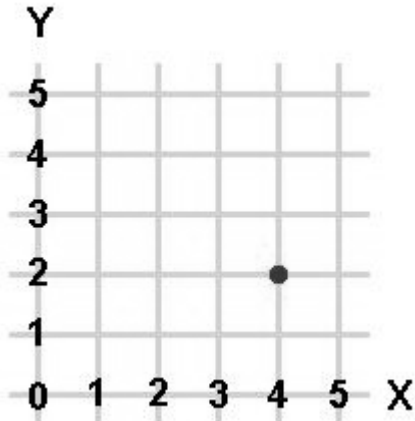
Coordinate Grid



Answer the following questions by using the coordinate grid above.

2. If the pattern continues, what are the coordinates of Point D?
3. Points A and P are _____ units apart.
4. If point E was 1 unit west and 3 units north of point B, what coordinates would point E have?

5. Use the graph below to complete the pattern. The point on the grid is located at (4, 2). If the next point is plotted at (4, 3) and the following point plotted at (4, 4), where would the next point be plotted?

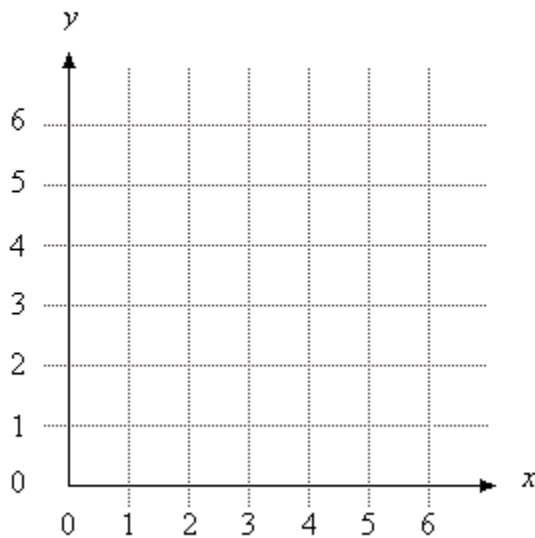


Answer: _____

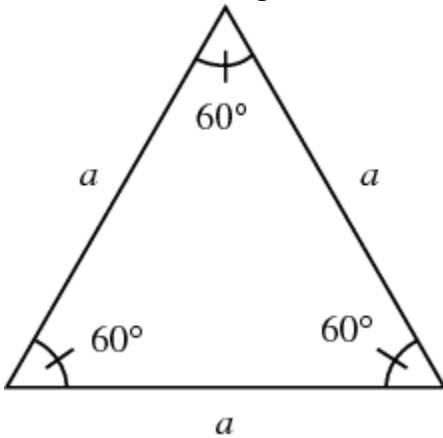
6. Use the graph below to complete the pattern.
Plot the following points on the graph:
W= (1, 2) X= (2, 3) Y= (3, 4) Z= _____

Where would point Z be located? _____

Coordinate Grid



Look at the triangle below to answer the following questions.



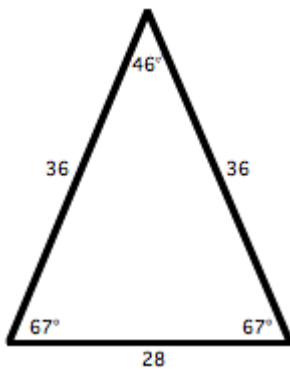
7. Identify the type of triangle based on the lengths of the sides.

8. Classify the triangle by the measures of its angles.

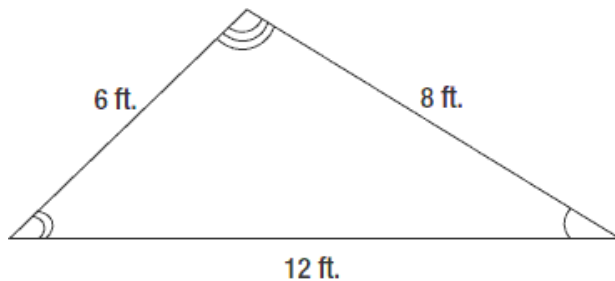
9. What type of triangle is shown below? _____

How do you know? _____

Is this an obtuse triangle? _____

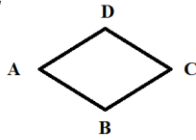


10. When looking at the lengths of the sides what type of triangle is shown below? _____



Name the polygons below:

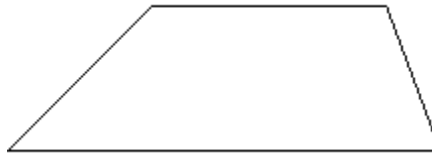
11. _____



Is this also a parallelogram? _____

Why or why not? _____

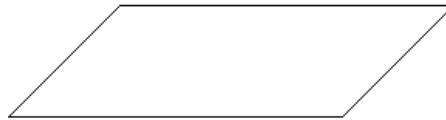
12. _____



Is this also a parallelogram? _____

Why or why not? _____

13. _____



Is this also a quadrilateral? _____

Why or why not? _____

14. Which of the following groups is a square not a member of?

- A. parallelograms B. rectangles C. quadrilaterals D. trapezoids

15. How many grams are equal to 3 kilograms?

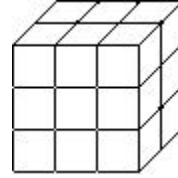
16. How many milliliters equal 4 liters?

17. How many ounces would 3 lbs be?

18. How many yards would 150 feet be?

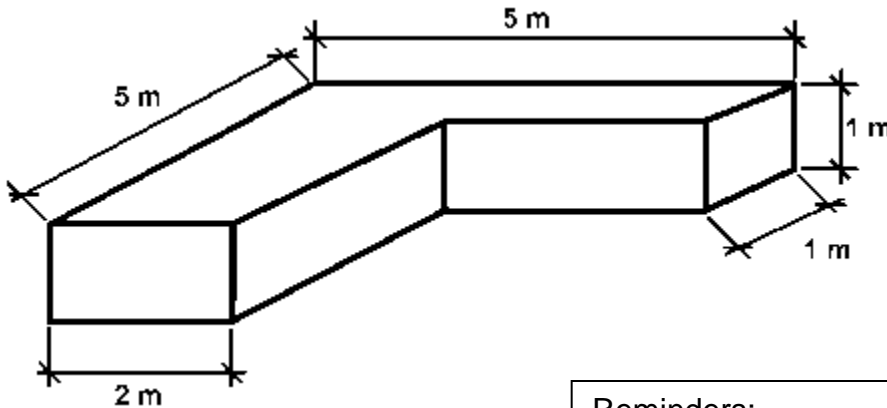
19. If you had a board that was 15 meters long, how many cm long is that board?

20. What is the volume of the figure to the right?



21. What is the volume of a figure that is 15 inches long, 4 inches wide, and 12 inches high?

22. What is the volume of the figure below?



Reminders:
Volume: length x width x height