NAME_____

Module 12 **Attributes and Tools**
Lesson 1 **Measurement Systems**

Independent Practice 12.1

Choose the most reasonable customary and metric unit of *length* to measure each item.

1. A postage stamp

2. The distance a car travels in two hours

3. A hockey stick

4. The height of a coffee mug

Choose the most reasonable customary and metric unit of *capacity* to measure each item.

5. A bottle of eye drops

6. A glass of water

7. A bathtub

8. A car's gas tank

Choose the most reasonable customary unit of weight and metric unit of *mass* to measure each item.

9. A parakeet

10. A semi truck

11. A facial tissue

12. A watermelon

Match each metric prefix to its power of ten equivalent.

_____ **13.** deci-	**A.** 10
_____ **14.** kilo-	**B.** 0.1
_____ **15.** milli-	**C.** 1,000
_____ **16.** deka-	**D.** 0.001
_____ **17.** centi-	**E.** 100
_____ **18.** hecto-	**F.** 0.01

Fill in the blank.

19. 1 _____ = 2,000 lb

20. 12 in. = _____ ft

21. _____ ft = 1 yd

22. 1 c = _____ fl oz

Solve.

23. If the length of a room is one decameter long, how many meters long is it?

24. A decigram is what fraction of a gram?

25. A bottle contains one liter of juice. How many millimeters of juice does it contain?

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Module 12 Attributes and Tools
Lesson 1 Measurement Systems

Journal

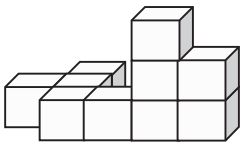
1. Explain the difference between weight and mass.

2. Can you use a ruler to measure the length of a street? Is a ruler the best tool to use? Explain why or why not. If not, what other measurement tool or tools would be better?

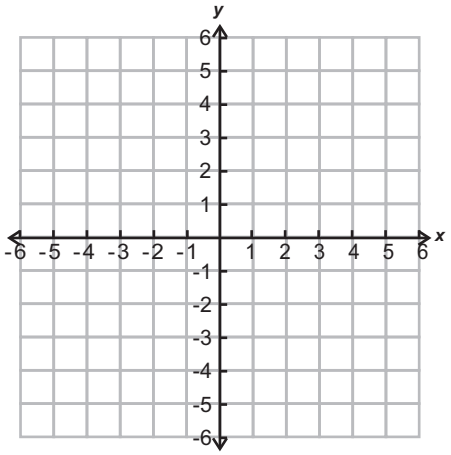
3. Charlie understands the units of metric length. Explain why it would be easy for him to learn the units of metric mass. Use examples in your explanation.

Cumulative Review

1. Draw the front, top, right, and left side views of the figure below. Assume there are no hidden blocks.

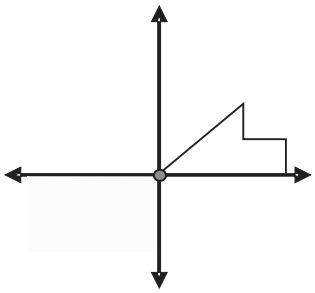


2. Graph the line that contains (-2, -4) and (3, 1).



3. Find the slope of the line in Problem 2.

4. Rotate the figure 180°. Use the origin as the center of rotation.



5. Point *A* (3, 5) is translated two units right and four units down. What are the coordinates of *A*'?

6. Draw all the lines of symmetry.