Name _____

Customary Length Measurements Match

Convert each measurement. Write the letter of the correct measure.

1. 28 yd = _____ ft

2. 372 in. = _____ yd 1 ft

3. _____ yd = 18 ft

4. _____ in. = 28 ft 10 in.

5. 132 ft = _____ yd

6. 780 in. = _____ ft

7. _____ yd = 219 ft

8. _____ in. = 15 ft

9. 15,840 ft = _____ mi

10. 7 mi 200 yd = _____ yd

A. 3

B. 346

C. 44

D. 65

E. 180

F. 84

G. 12,520

H. 10

I. 73

J. 6

Customary Units of Length

1 foot (ft) = 12 inches (in.)
1 yard (yd) = 3 ft
1 mile (mi) = 5,280 ft
1 mi = 1,760 yd

11. Stretch Your Thinking Niko rides his bike 5,300 yards to his friend's house. About how many miles does Niko ride?

_____ yd = 1 mi

5,300 yards is about _____ miles.

12. Write Math **Explain** how you found your answer for Exercise 11.

_____

_____

_____

_____

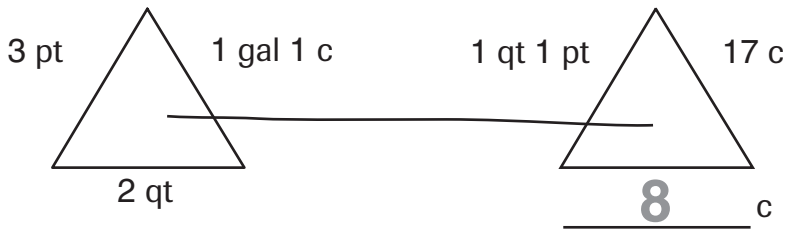
Name _____

Units of Capacity

Each triangle in the right column has two measurements that are equal to measurements given on a triangle in the left column. Match the triangles with equal measurements, and find the unknown measurement.

Customary Units of Capacity
1 cup (c) = 8 fluid ounces (fl oz)
1 pint (pt) = 2 cups
1 quart (qt) = 2 pints
1 gallon (gal) = 4 quarts

Example:



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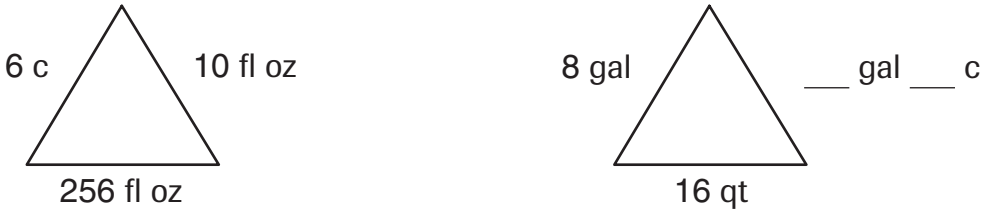

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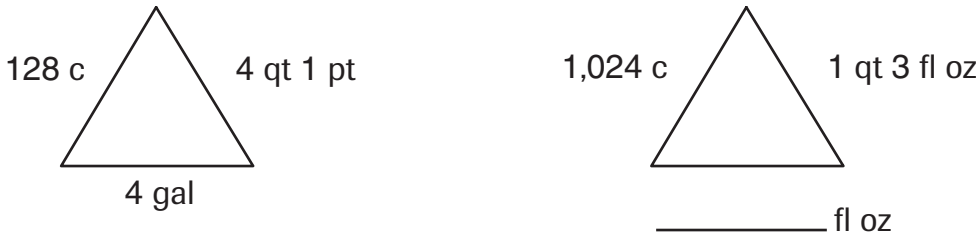
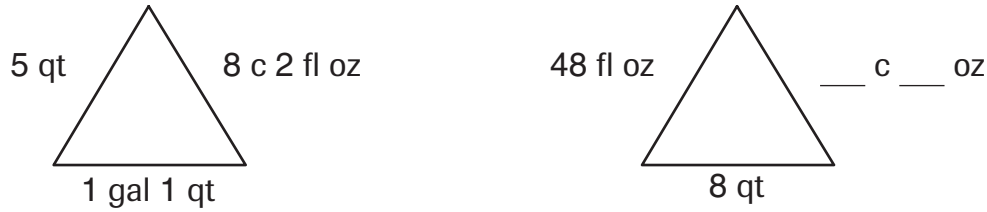


3.

4.

5.



Name _____

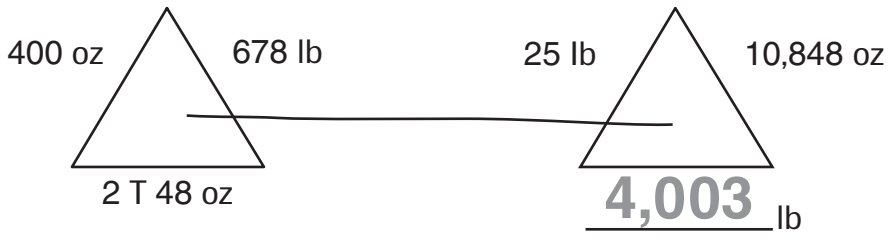
Units of Weight

Each triangle in the right column has two measurements that are equal to measurements given on a triangle in the left column. Match the triangles with equal measurements, and find the unknown measurement.

Customary Units of Weight

1 pound (lb) = 16 ounces (oz)
1 ton (T) = 2,000 lb

Example:



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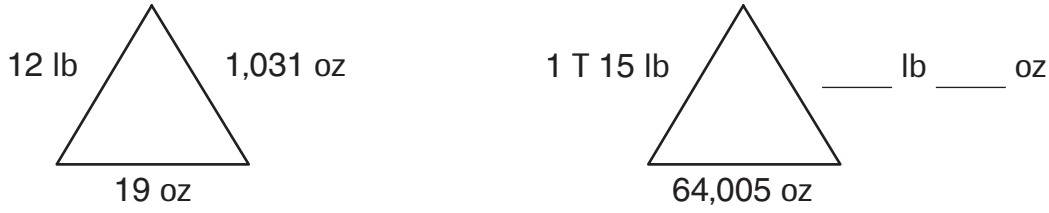

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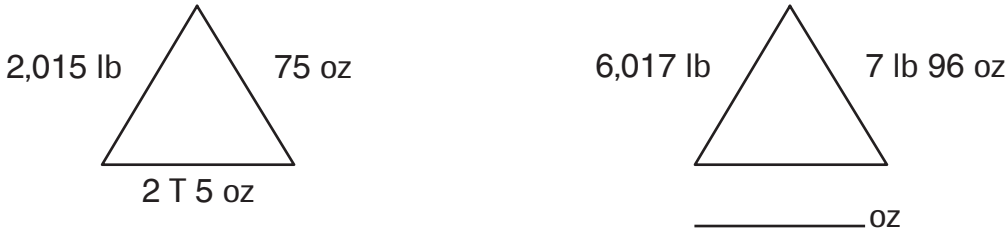

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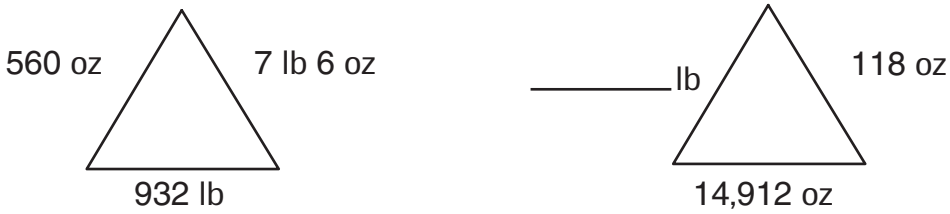
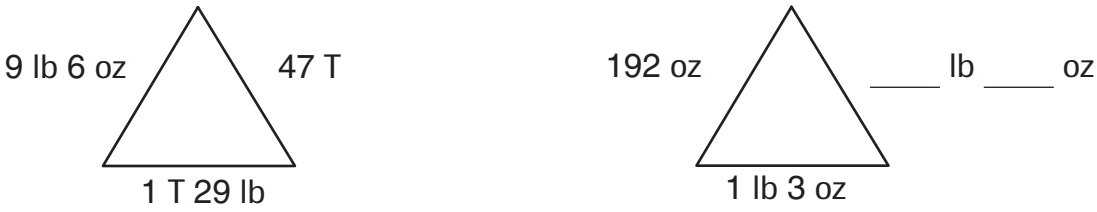


4.

5.



Name _____

Adding and Subtracting Measures

Write each sum or difference in two ways. The first answer is given.

1. 3 ft 9 in. + 7 ft 5 in.

11 ft 2 in.; 134 in.

2. $2\frac{1}{2}$ yd − $1\frac{3}{4}$ ft

3. 9 mi 3,500 ft + 8 mi 1,990 ft

4. 9 yd 1 ft 11 in. − 4 yd 2 ft 8 in.

5. 8 lb 12 oz + 3 lb 6 oz

6. 6 T 400 lb − 4 T 1,000 lb

7. 12 gal 3 qt + 5 gal 2 qt

8. 8 pt 3 fl oz − 2 pt 9 fl oz

9. Write Math **Explain** how you found the difference in Exercise 4.

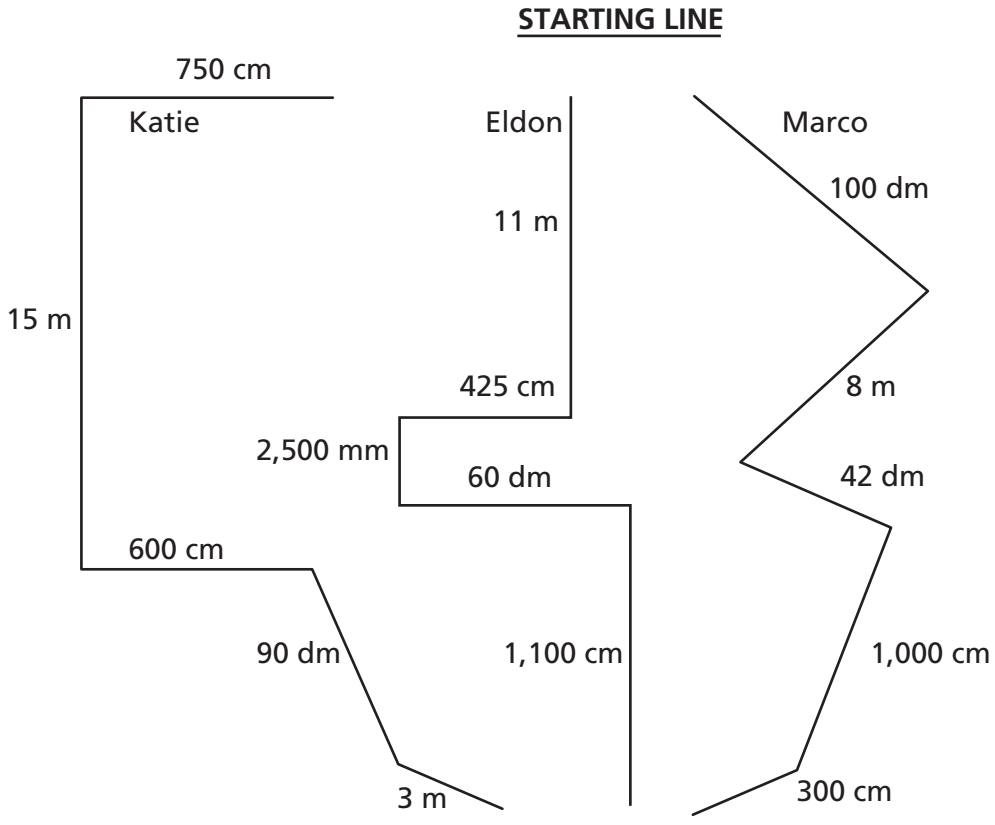
Name _____

Metric Maze

Katie, Eldon, and Marco are taking different paths through the Metric Maze below. Follow each of their paths, and add to find the total distance each person travels. Then answer the questions below.

Metric Units of Length

1 meter (m) = 10 decimeters (dm)
1 dm = 10 centimeters (cm)
1 cm = 10 millimeters (mm)



1. Who has the shortest path to the Finish Line? _____

2. Who has the longest path to the Finish Line? _____

3. Write Math **Explain** how you changed the units so that you could compare the lengths of the paths.

_____

_____

_____

_____

Name _____

More Customary Units

The table below shows customary units of length and capacity that are sometimes used.

Units of Length	Units of Capacity
1 rod = 16.5 feet	1 fluid dram = $\frac{1}{8}$ fluid ounce
1 furlong = 40 rods	1 gill = 4 fluid ounces
1 mile = 8 furlongs	1 peck = 8 quarts
1 fathom = 6 feet	1 bushel = 4 pecks
1 league = 3 miles	1 tablespoon = $\frac{1}{2}$ fluid ounce
	1 teaspoon = $\frac{1}{3}$ tablespoon

Solve.

1. How many yards are in 1 rod? _____

2. How many feet are in 1 furlong? _____

3. How many furlongs are in 1,760 yards? _____

4. How many inches are in 1 fathom? _____

5. How many miles are in 20,000 leagues? _____

6. How many fluid drams are in 1 ounce? _____

7. How many gills are in 1 pint? _____

8. How many pints are in 1 peck? _____

9. How many quarts are in 3 bushels? _____

10. How many fluid drams are in 1 gill? _____

11. How many teaspoons are in 1 tablespoon? _____

12. How many tablespoons are in 1 gill? _____

13. Write Math Explain how you solved Exercise 12.

_____

_____

_____

Name _____

What Time Is It?

Find the start, elapsed, or end time.

1. Start: 9:13 A.M.
Elapsed time: $9\frac{3}{4}$ hr

End time: _____

2. Start: 7:15 A.M.

Elapsed time: _____
End time: 1:22 P.M.

3. Start: 2:18:09 P.M.
Elapsed time: 5 hr 34 min 27 sec

End time: _____

4. Start: _____
Elapsed time: 2 hr 27 min 53 sec
End time: 7:04:11 P.M.

5. Start: April 4
Elapsed time: 2 weeks 4 days

End time: _____

6. Start: June 1
Elapsed time: _____
End time: June 27

7. **Stretch Your Thinking** Anne started working on her art project at 3:40 P.M. She worked for $1\frac{1}{2}$ hours. She took a 55 minute supper break. She claimed that if she worked 1 hour more, she could finish the project and meet her friends at the movies before 7:00 P.M. Is Anne correct? **Explain** how you know.

_____

_____

_____

_____

_____

8. Write Math **Explain** how to find the elapsed time in Exercise 6.

_____

_____

_____