

Unit 6 Assessment

① Solve.

a. $560 / 8 = \underline{\hspace{2cm}}$

b. $630 / \underline{\hspace{2cm}} = 70$

c. $5,600 / 7 = \underline{\hspace{2cm}}$

d. $\underline{\hspace{2cm}} = 490 / 7$

② Divide.

a. $72 / 4$

b. $5 \overline{)85}$

Answer: $\underline{\hspace{2cm}}$

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③ There are 38 crackers in a box. Tina and her two sisters decided to share them equally. How many crackers will each girl get?

Number model with unknown: $\underline{\hspace{4cm}}$

Answer: $\underline{\hspace{2cm}}$ crackers

④ Grace baked 76 muffins for a class breakfast. She put the muffins on plates. Each plate holds 8 muffins. How many plates were needed to hold all of the muffins?

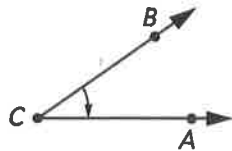
Number model with unknown: $\underline{\hspace{4cm}}$

Answer: $\underline{\hspace{2cm}}$ plates

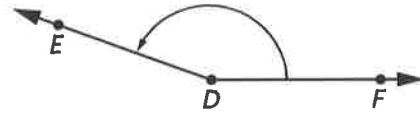
Unit 6 Assessment (continued)

- ⑤ For each angle, circle the type.
Then use a protractor to measure each angle, and record your measurement.

a. Angle type: acute right obtuse b. Angle type: acute right obtuse

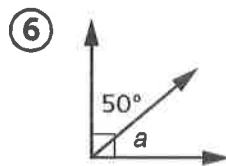


$\angle BCA$: _____

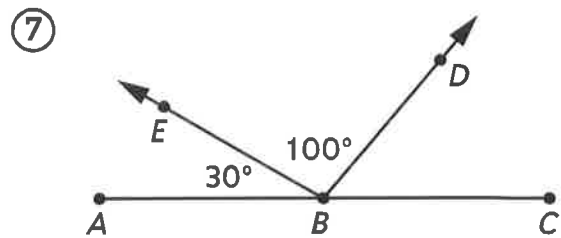


$\angle EDF$: _____

In Problems 6 and 7, find the missing angle measure without using your protractor.



$m\angle a =$ _____



\overline{AC} is a straight line segment.

$m\angle DBC =$ _____

- ⑧ a. Find the number of ounces.

Pounds (lb)	Ounces (oz)
2	
5	
12	
20	

- b. Explain how you found how many ounces are in 12 pounds.

**Unit 6 Assessment** (continued)

- 9 PJ added $2\frac{3}{4}$ cups of lemon juice to a pitcher. Then he added $3\frac{2}{4}$ cups of water. How many cups of liquid are in the pitcher?

Number model with unknown: _____

Answer: _____ cups

- 10 Find the length and perimeter of the rectangle below.

5 in.

Area = 245 sq in.

a. Length: _____ inches

b. Perimeter: _____ inches

Unit 6 Additional Items

11. Use digits to write the number eight hundred million, three hundred twenty-four thousand, seven hundred ninety-five.

12. Round to the nearest 100.

a. 581 _____

b. 934 _____

c. 324 _____

13. Use the U.S. standard algorithm to solve.

$$\begin{array}{r} 132 \\ + 601 \\ \hline \end{array}$$

$$\begin{array}{r} 814 \\ - 101 \\ \hline \end{array}$$

Unit 6 Challenge

Nate and Sam played five rounds of *Angle Tangle*.

Nate drew the following types of angles for Sam:

1 reflex angle

1 right angle

2 acute angles

1 obtuse angle

Both Nate and Sam were very good at estimating the measure of angles. Their total scores for the game were so close that the boys decided on another way to choose the winner. They decided to add the measures of their five angles, and the one who had the greater sum would win.

Sam's angles totaled the number of degrees in a full-turn plus a half-turn.

What could the measures of each of his five angles be?

Reflex angle: _____
◦

Right angle: _____
◦

Acute angle 1: _____
◦

Acute angle 2: _____
◦

Obtuse angle: _____

Show or explain how you found your answers.