End-of-Year Assessment

1. Round to the nearest ten thousand.

   a. $23,566$ _____

   b. $567,820$ _____

   c. $280,805$ _____

   d. $5,735,024$ _____

   e. $8,701,452$ _____

2. Multiply.

   a. $383 \times 4 =$ _____

   b. $4,371 \times 5 =$ _____

   c. $45 \times 23 =$ _____

   d. $86 \times 74 =$ _____

   e. Explain how you solved Problem 2a.

   _____

   _____

3. Divide.

   a. $486 / 6 =$ _____

   b. _____ $= 1,704 / 8$

   c. $895 \div 7 =$ _____

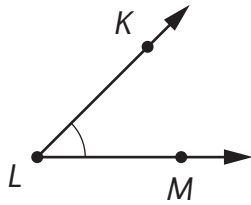   **d.** Explain how you solved Problem 3a. _____

4. Add or subtract.

   a. $\frac{1}{5} + \frac{3}{5} =$ _____   **d.** _____ $= \frac{7}{8} - \frac{3}{8}$

   b. _____ $= \frac{1}{3} + \frac{2}{3}$ **e.** $2\frac{1}{12} + 3\frac{6}{12} =$ _____

   c. $\frac{3}{4} - \frac{1}{4} =$ _____   **f.** $8\frac{3}{6} - 2\frac{2}{6} =$ _____

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5. Label each angle as acute or obtuse. Using a protractor, find the measure of each angle.

a.

△ *KLM* is an _____ (acute or obtuse) angle.

△ *KLM* measures about _____°.

b.

△ *QRS* is an _____ (acute or obtuse) angle.
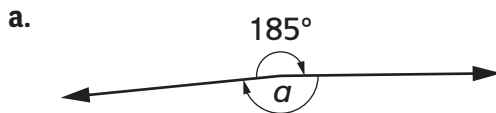
△ *QRS* measures about _____°.

6. **a.** Draw a 42° angle. Label it *RWM*.

b. Draw a 136° angle. Label it *IJK*.
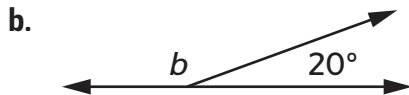
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7. Find the measure of the missing angles.

a.

185°

a

$a =$ _____ °

b.

b 20°

$b =$ _____ °

8. Divide the rectangle into eighths. Shade $\frac{5}{8}$.

Decompose the fraction $\frac{5}{8}$ using a sum of fractions.

_____

9. Hannah made 8 pancakes for seven of her friends. How many pancakes did each person receive, if Hannah doesn't eat any? Show your work.

Answer: _____ pancakes

10. Write each fraction as a decimal.

a. $\frac{7}{10} =$ _____

b. $\frac{3}{4} =$ _____

c. $\frac{4}{5} =$ _____

d. $\frac{2}{100} =$ _____

e. $\frac{54}{100} =$ _____

f. Write the answer to problem "d" in words. _____

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11. Insert >, <, or = to make each number sentence true.

a. $\frac{3}{5}$ _____ $\frac{2}{5}$

b. $\frac{1}{4}$ _____ $\frac{1}{6}$

c. $\frac{2}{3}$ _____ $\frac{9}{10}$

d. Explain how you solved Problem 11c.

_____

_____

12. Write these fractions in order from smallest to largest.

$\frac{5}{6}, \frac{1}{3}, \frac{1}{10}, \frac{2}{5}, \frac{7}{12}$

_____   _____   _____   _____   _____

smallest   largest

13. Name 2 equivalent fractions.

a. $\frac{1}{3}$ _____ _____

b. $\frac{2}{6}$ _____ _____

c. $\frac{3}{4}$ _____ _____

d. How were you able to find equivalent fractions for Problem 13a?
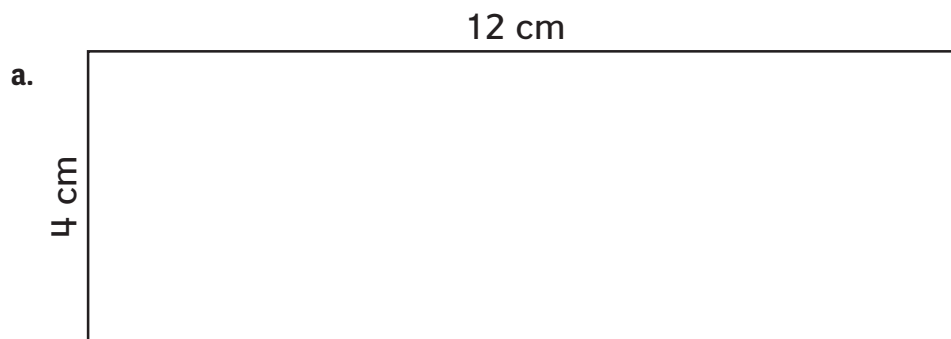
_____

_____

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14. a. Brooke needed $\frac{1}{4}$ cup of sugar for dinner and $\frac{2}{4}$ for dessert. How much sugar did she need?

Answer: _____ cup of sugar

b. Patrick has $\frac{7}{10}$ of a tank of gas. How much more gas does he need in order to have a full tank?
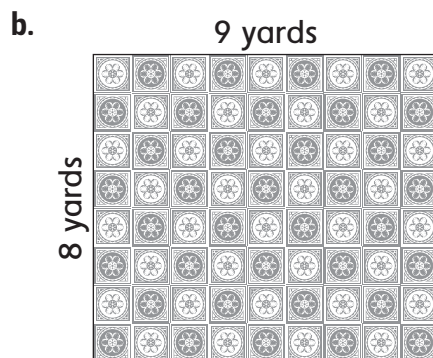
Answer: _____ of a tank

15. Find the perimeter and area of the rectangles.

a.

12 cm

4 cm

Perimeter: _____ centimeters

Area: _____ square centimeters

b.

9 yards

8 yards

Perimeter: _____ yards

Area: _____ square yards

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16. As part of her science project on sleep, Ama asked students in her class how many hours, to the nearest quarter of an hour, they had slept the night before. The results are below.

Use the data from the tally chart to create a line plot.

Number of Hours Slept	Number of Children
$7\frac{3}{4}$	
8	//
$8\frac{1}{4}$	
$8\frac{1}{2}$	////
$8\frac{3}{4}$	/
9	/////
$9\frac{1}{4}$	/
$9\frac{1}{2}$	/
$9\frac{3}{4}$	///
10	//
$10\frac{1}{4}$	
$10\frac{1}{2}$	/

Time Students Slept on Thursday Night

$$7\frac{3}{4} \quad 8 \quad 8\frac{1}{4} \quad 8\frac{1}{2} \quad 8\frac{3}{4} \quad 9 \quad 9\frac{1}{4} \quad 9\frac{1}{2} \quad 9\frac{3}{4} \quad 10 \quad 10\frac{1}{4} \quad 10\frac{1}{2}$$
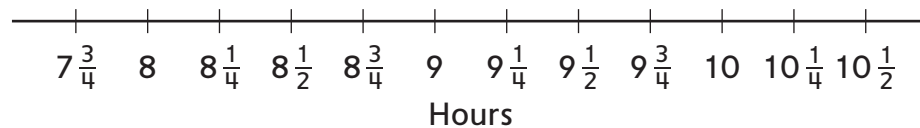
Hours

Use the line plot to answer these questions.

a. What is most amount of time someone slept? _____ hours

b. What is the least amount of time someone slept? _____ hours

c. What is the difference between the most amount and least amount of time slept?

_____ hours

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17. Complete.

a. 56 cm = _____ mm

b. 0.63 m = _____ cm

c. 10 yd = _____ ft

d. 8 ft = _____ in.

e. 5 L = _____ mL

f. 6 hr = _____ minutes

18. Solve.

a. Dontrell went apple picking and picked 2 pounds of apples. His friend picked 3 pounds. How many ounces is that?

Number model with unknown:

_____

Answer: _____ ounces

b. Cynthia's dog weighed 48 kg. Oscar's dog weighed 17 kg. What is the combined weight of the dogs in grams?

Number model with unknown:

_____

Answer: _____ grams

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19. Solve.

a. Sara is shopping for school clothes. She buys 4 shirts at $13 each, 2 pairs of pants at $26 each and 13 packages of socks at $8 each. How much did she spend on school clothes?

Number model with unknown:

_____

Answer: $ _____

b. The carnival committees at Dawes and Kingsley Schools decided to buy carnival toy prizes together to save money. They bought 9 boxes of toys with 480 toys in each box to share equally between the two schools. If Dawes School plans to have 8 game stations, about how many toys can each station get?

Number model with unknown:

_____

Answer: _____ toys per station

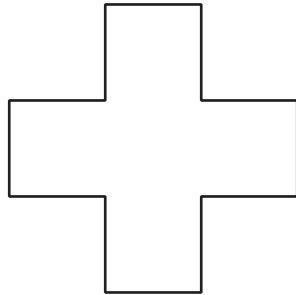**20.** Draw the other half of the object.
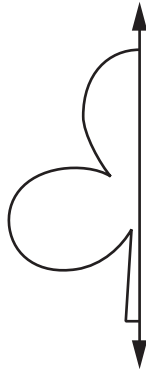
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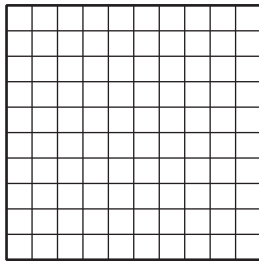**21.** Identify the lines of symmetry on the shapes below.
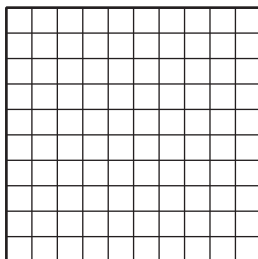
a.
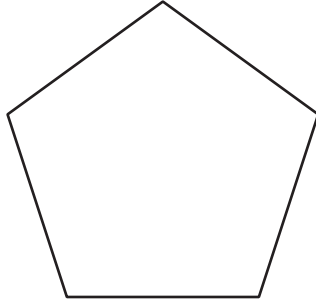
b.

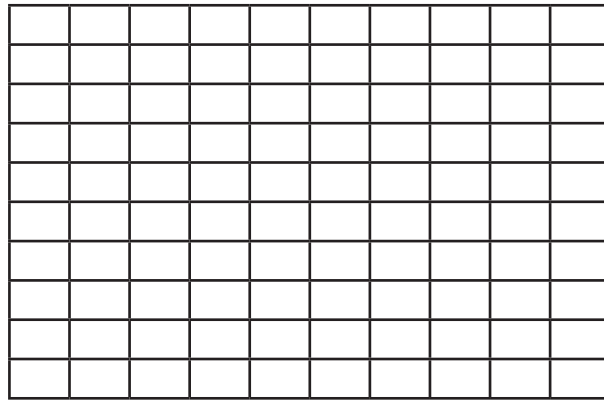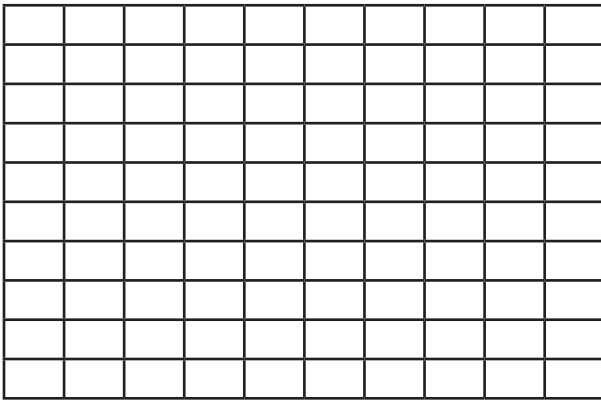**22. a.**

Decimal: _____

b.

Decimal: _____

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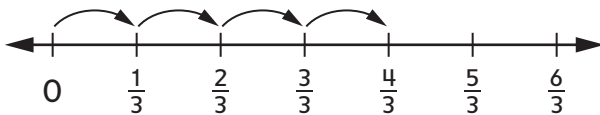
23. Use the grid, if needed.

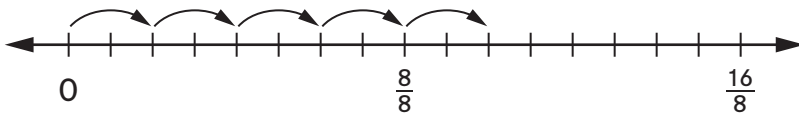**a.** $\frac{6}{10} + \frac{24}{100} =$ _____

b. $\frac{3}{100} + \frac{5}{10} =$ _____

24. Use the number lines to help you solve the problems.

a. $4 * \frac{1}{3} =$ _____

0    $\frac{1}{3}$ $\frac{2}{3}$ $\frac{3}{3}$ $\frac{4}{3}$ $\frac{5}{3}$ $\frac{6}{3}$

b. $5 * \frac{2}{8} =$ _____

0      $\frac{8}{8}$ $\frac{16}{8}$

25. Write a multiplication equation to represent the problem and then solve.

Cherise swims $\frac{4}{10}$ of a mile 5 days a week. How far does she swim every week?

Equation: _____