

Name \_\_\_\_\_ Date \_\_\_\_\_

Give the best answer for each question.

1. Add.

$$\begin{array}{r} 583,602 \\ +341,978 \\ \hline \end{array}$$

2. Subtract.

$$\begin{array}{r} 6,425 \\ -783 \\ \hline \end{array}$$

3. Find the quotient and remainder.

$$3 \overline{)16}$$

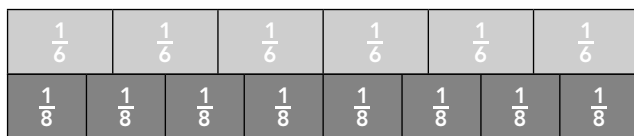
6 R3

5 R4

6 R1

5 R1

4. Use the model to complete the equivalent fraction.



$$\frac{3}{6} = \frac{\square}{8}$$

5. Add.

$$2\frac{3}{12} + 3\frac{2}{12} = \underline{\hspace{2cm}}$$

6. Compare. Write  $>$ ,  $=$ , or  $<$ .

$$3\frac{4}{9} \bigcirc 3\frac{2}{3}$$

7. Subtract.

$$\begin{array}{r} 423,197 \\ -396,248 \\ \hline \end{array}$$

8. What is  $4,824 \div 8$ ?

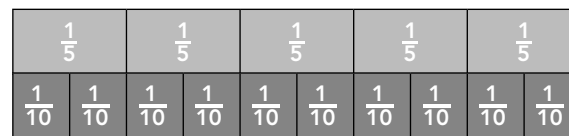
603

630

60 R3

600 R3

9. Use the model to complete the equivalent fraction.

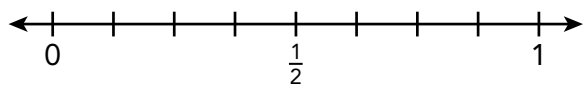


$$\frac{3}{5} = \frac{\square}{10}$$

10. Subtract.

$$5\frac{7}{8} - 2\frac{5}{8} = \underline{\hspace{2cm}}$$

11. Use the number line to compare.  
Write  $>$ ,  $=$ , or  $<$ .



$$\frac{1}{4} \bigcirc \frac{1}{2} \quad \frac{5}{8} \bigcirc \frac{1}{2}$$

So,  $\frac{1}{4} \bigcirc \frac{5}{8}$ .

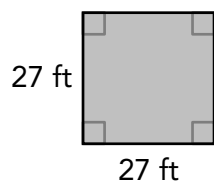
12. What are the partial products?

$$\begin{array}{r} 68 \\ \times 32 \\ \hline \end{array}$$

- 136 and 204  
 136 and 2,040  
 1,360 and 204  
 1,360 and 2,040
13. Andrew is one and five tenths meters tall. Give the height as a decimal.

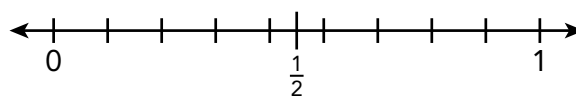
\_\_\_\_\_ m

14. What is the area of the figure?



- 27 ft<sup>2</sup>       108 ft<sup>2</sup>  
 54 ft<sup>2</sup>       729 ft<sup>2</sup>

15. Use the number line to compare.  
Write  $>$ ,  $=$ , or  $<$ .



$$\frac{2}{3} \bigcirc \frac{1}{2} \quad \frac{4}{9} \bigcirc \frac{1}{2}$$

So,  $\frac{2}{3} \bigcirc \frac{4}{9}$ .

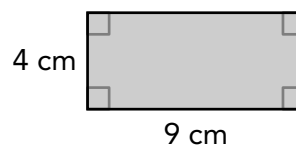
16. What is  $\frac{17}{100} + \frac{5}{10}$ ?

- $\frac{22}{10}$   
  $\frac{67}{10}$   
  $\frac{22}{100}$   
  $\frac{67}{100}$

17. Find the product. Give your answer as a mixed number.

$$15 \times \frac{1}{4} = \underline{\hspace{2cm}}$$

18. What is the area of the figure?



- 13 cm<sup>2</sup>       36 cm<sup>2</sup>  
 26 cm<sup>2</sup>       72 cm<sup>2</sup>

19. Find the sum.

$$\frac{2}{10} + \frac{3}{100} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

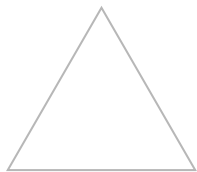
20. Multiply.

$$\begin{array}{r} 83 \\ \times 29 \\ \hline \end{array}$$

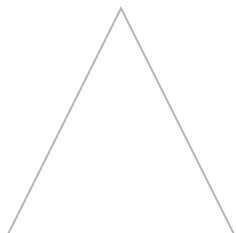
21. Match each triangle to its classification. Some triangles may be named in more than one way.



right



equilateral



isosceles

scalene

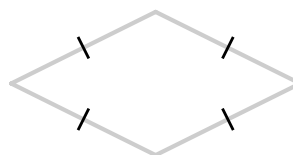
22. Write  $\frac{47}{100}$  as a decimal.

\_\_\_\_\_

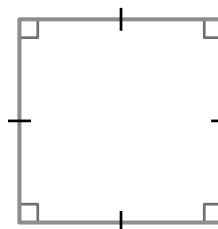
23. Divide.

$$8 \overline{) 2,504}$$

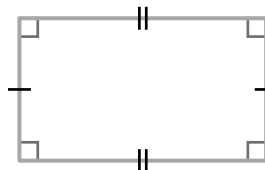
24. Match each quadrilateral to its most precise name.



rectangle



square



parallelogram



rhombus

25. Jan draws a circle. She colors  $\frac{1}{5}$  red and  $\frac{2}{5}$  purple. What equation represents the fraction of the circle that Jan colors?

\_\_\_\_\_

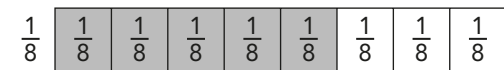
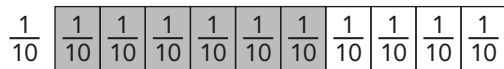
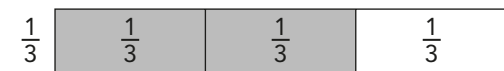
26. Jon is playing a computer game. He scores 125,372 points in round 1 and 137,972 points in round 2. What is the total number of points Jon scores in both rounds?

Jon scores \_\_\_\_\_ points.

27. Write the fractions in order from least to greatest.

$$\frac{2}{3} \quad \frac{6}{10} \quad \frac{5}{8}$$

Use the fraction bars to help.



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<input type="text"/>	<input type="text"/>	<input type="text"/>

28. A game spinner is divided into 8 equal sections. Four of the sections are blue and the rest are orange. What equation represents the fraction of the spinner that is orange?

\_\_\_\_\_

29. Zachary walks 1,200 feet. Forrest walks 872 feet. How many more feet does Zachary walk than Forrest?

Zachary walks \_\_\_\_\_ feet more.

30. Lin has two ribbons. The length of the blue ribbon is 1 yard 2 feet. The length of the red ribbon is 5 feet.

How do the lengths compare?

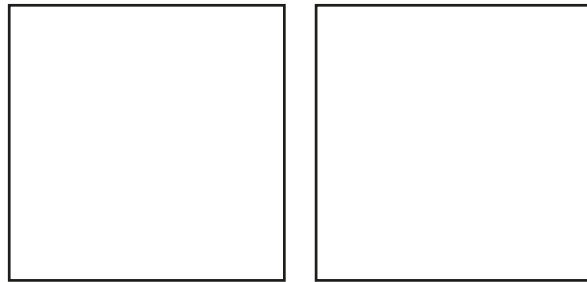
- The length of the blue ribbon is less than the length of the red ribbon.
- The length of the blue ribbon is greater than the length of the red ribbon.
- The length of the blue ribbon is the same as the length of the red ribbon.

- 31.** Lisa is planting a rectangular garden with six sections that are the same size. She plants vegetables in four sections. What difference represents the fraction of the garden that does not have vegetables?

$$\frac{6}{6} - \frac{4}{6} = \frac{\square}{\square}, \text{ so } \underline{\hspace{2cm}} \text{ does not have vegetables.}$$

- 32.** Draw a model to find the product.

$$3 \times \frac{2}{5} = \underline{\hspace{2cm}}$$



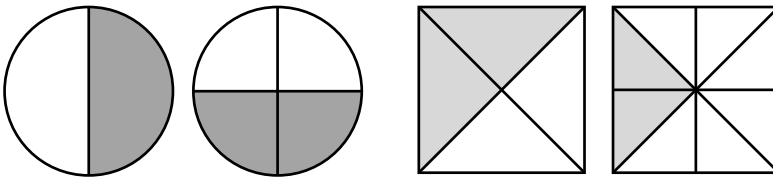
- 33.** Write each fraction as a decimal. Then complete the sentence.

$$\frac{3}{10} = \underline{\hspace{2cm}}$$

$$\frac{23}{100} = \underline{\hspace{2cm}}$$

The value of 3 in the \_\_\_\_\_ place is 10 times the value of 3 in the \_\_\_\_\_ place.

- 34.** Circle the pair of models that show equivalent fractions.



What equivalent fractions do the models represent?

$$\frac{\square}{\square} = \frac{\square}{\square}$$

35. Which of these fractions are greater than  $\frac{1}{3}$ ?

Select **all** that apply.

$\frac{3}{12}$

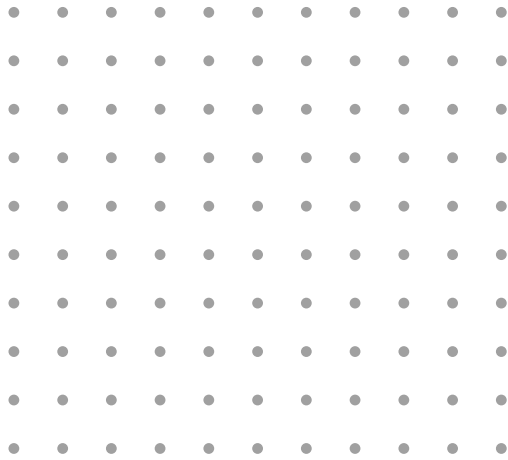
$\frac{3}{6}$

$\frac{2}{9}$

$\frac{10}{12}$

36. Harper reads for  $\frac{1}{4}$  hour five days a week. Arlen reads for  $\frac{3}{4}$  hour two days a week. Who spends more time reading during the week? Justify your answer.

37. Draw a trapezoid with 2 right angles.



38. Ben divides a sheet of paper into six equal parts. He colors one part yellow and three parts blue. What sum represents the fraction of the paper Ben colors? Draw a model to help.



$\frac{1}{6} + \frac{3}{6} = \frac{\square}{\square}$ , so Ben colors \_\_\_\_\_ of the paper.

- 39.** Estimate the sum  $16,927 + 54,346$ . Then add.

Estimate: \_\_\_\_\_

$$\begin{array}{r} 16,927 \\ + 54,346 \\ \hline \end{array}$$

- 40.** Scott has  $1\frac{1}{4}$  cups of flour in a container and  $2\frac{3}{4}$  cups of flour in a bag. He uses  $1\frac{3}{4}$  cups of flour to bake muffins.

**Part A**

What expression represents the amount of flour Scott has left?

\_\_\_\_\_

**Part B**

How much flour does Scott have left?

Scott has \_\_\_\_\_ cup(s) of flour left.

- 41.** Eduardo has the amounts of juice shown.

Apple: 1 gal 3 qt

Orange: 2 gal

Grape: 1 gal 1 qt

**Part A**

Rename each quantity in quarts.

Apple: 1 gal 3 qt = \_\_\_\_\_ qt

Orange: 2 gal = \_\_\_\_\_ qt

Grape: 1 gal 1 qt = \_\_\_\_\_ qt

**Part B**

What is the order of the types of juice, based on quantity, from greatest to least?

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

42. Find  $\frac{7}{10} - \frac{5}{10}$ .

**Part A**

Explain how you can use a fraction strip to find the difference.

**Part B**

Subtract.

$$\frac{7}{10} - \frac{5}{10} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

43. Find  $93 \times 42$ .

**Part A**

Estimate the product by rounding.

\_\_\_\_\_

**Part B**

How will the actual product compare to the estimate?

- The actual product will be greater than the estimate.
- The actual product will be less than the estimate.
- The actual product will be equal to the estimate.

**Part C**

Justify your answer to Part B.

**Part D**

Find the actual product.

$$\begin{array}{r} 93 \\ \times 42 \\ \hline \end{array}$$



44. Compare  $\frac{7}{8}$  and  $\frac{9}{12}$  using  $>$ ,  $<$ , or  $=$ .

**Part A**

$$\frac{7}{8} \bigcirc \frac{9}{12}$$

**Part B**

Justify your answer to Part A.

45. Find  $\frac{7}{12} + \frac{1}{12} + \frac{3}{12}$ .

**Part A**

Draw a model to show the sum.

**Part B**

$$\frac{7}{12} + \frac{1}{12} + \frac{3}{12} = \frac{\square}{\square}$$

46. Find  $\frac{8}{10} + \frac{9}{100}$ .

**Part A**

Explain how you can find the sum.

**Part B**

Add.

$$\frac{8}{10} + \frac{9}{100} = \frac{\square}{\square}$$

47. Vincent is mailing 4 packages with the weights shown.

Package A: 2 lb 12 oz

Package B: 1 lb 14 oz

Package C: 14 oz

Package D: 1 lb 12 oz

**Part A**

Rename each weight in ounces.

$$2 \text{ lb } 12 \text{ oz} = \underline{\hspace{2cm}} \text{ oz}$$

$$1 \text{ lb } 14 \text{ oz} = \underline{\hspace{2cm}} \text{ oz}$$

$$14 \text{ oz} = \underline{\hspace{2cm}} \text{ oz}$$

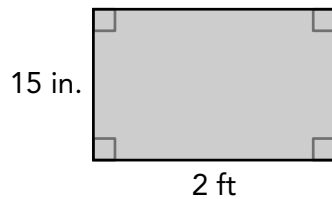
$$1 \text{ lb } 12 \text{ oz} = \underline{\hspace{2cm}} \text{ oz}$$

**Part B**

What is the order of the packages, based on weight, from least to greatest?

\_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_

48. Find the area of the figure. Be sure to use the correct units in your answer.



**Part A**

The area of the figure is \_\_\_\_\_.

**Part B**

Explain how you found the area.