Give the best answer for each question.

1. Add.

$$5\,8\,3\,,6\,0\,2$$
$$+\,3\,4\,1\,,9\,7\,8$$

2. Subtract.

$$6\,,4\,2\,5$$
$$-\quad 7\,8\,3$$

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.

$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$

$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$

$$\frac{3}{6} = \frac{\square}{8}$$
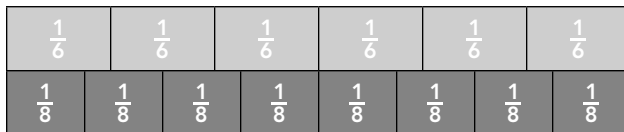
5. Add.

$$2\frac{3}{12} + 3\frac{2}{12} = \underline{\qquad}$$

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

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

7. Subtract.

$$4\,2\,3\,,1\,9\,7$$
$$-\,3\,9\,6\,,2\,4\,8$$

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

○ 603

○ 630

○ 60 R3

○ 600 R3

9. Use the model to complete the equivalent fraction.

$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$	$\frac{1}{5}$

$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{10}$
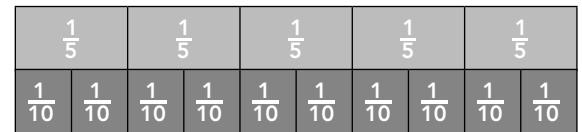
$$\frac{3}{5} = \frac{\square}{10}$$

10. Subtract.

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

11. Use the number line to compare. Write $>$, $=$, or $<$.
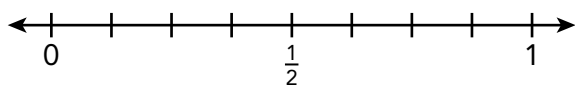
$\frac{1}{4} \bigcirc \frac{1}{2}$ $\frac{5}{8} \bigcirc \frac{1}{2}$

So, $\frac{1}{4} \bigcirc \frac{5}{8}$.
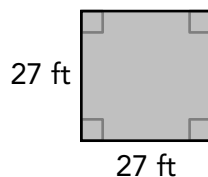
12. What are the partial products?

$$\begin{array}{r} 6\ 8 \\ \times\ 3\ 2 \\ \hline \end{array}$$

○ 136 and 204

○ 136 and 2,040

○ 1,360 and 204

○ 1,360 and 2,040

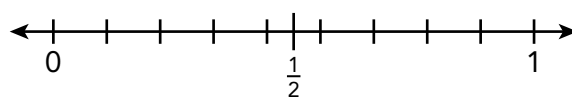**13.** Andrew is one and five tenths meters tall. Give the height as a decimal.

_____ m

14. What is the area of the figure?

27 ft

27 ft

○ 27 ft²   ○ 108 ft²

○ 54 ft²   ○ 729 ft²

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

$\frac{2}{3} \bigcirc \frac{1}{2}$ $\frac{4}{9} \bigcirc \frac{1}{2}$
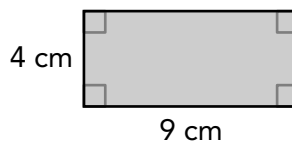
So, $\frac{2}{3} \bigcirc \frac{4}{9}$.

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.

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

18. What is the area of the figure?

4 cm

9 cm

○ 13 cm²   ○ 36 cm²

○ 26 cm²   ○ 72 cm²

19. Find the sum.

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

20. Multiply.

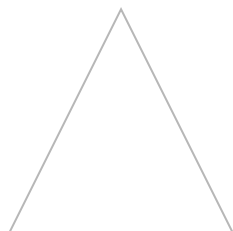$$\begin{array}{r} 8\,3 \\ \times\ \ 2\,9 \\ \hline \end{array}$$

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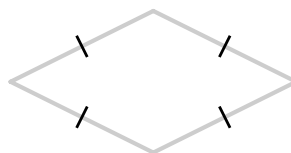
right

equilateral

isosceles
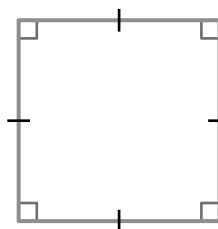
scalene

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

_____

23. Divide.

$$8\overline{)2{,}5\,0\,4}$$

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?

_____

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?
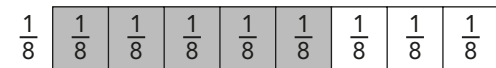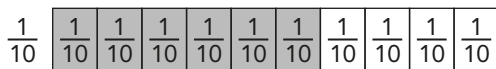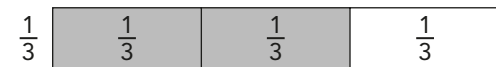
_____

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.

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

Zachary walks _____ feet more.

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

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

Use the fraction bars to help.

| $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ | $\frac{1}{3}$ |

| $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ | $\frac{1}{10}$ |

| $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ | $\frac{1}{8}$ |

□ □ □
—, —, —
□ □ □

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?

$\dfrac{6}{6} - \dfrac{4}{6} = \dfrac{\boxed{}}{\boxed{}}$, so _____ does not have vegetables.

32. Draw a model to find the product.

$3 \times \dfrac{2}{5} =$ _____
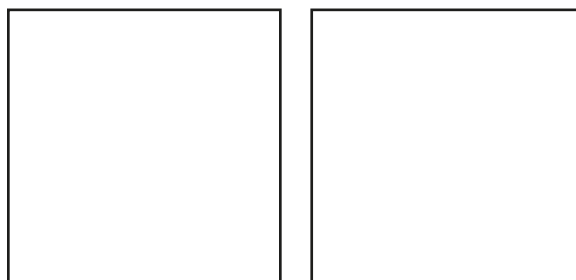
33. Write each fraction as a decimal. Then complete the sentence.

$\dfrac{3}{10} =$ _____ $\dfrac{23}{100} =$ _____

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.
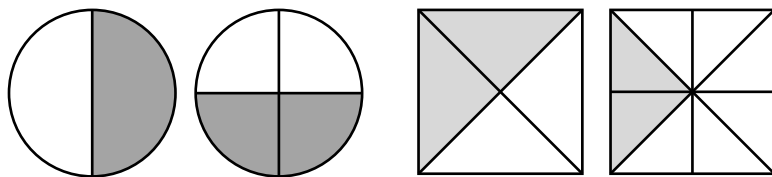
What equivalent fractions do the models represent?

$\dfrac{\boxed{}}{\boxed{}} = \dfrac{\boxed{}}{\boxed{}}$

35. Which of these fractions are greater than $\frac{1}{3}$?
Select **all** that apply.
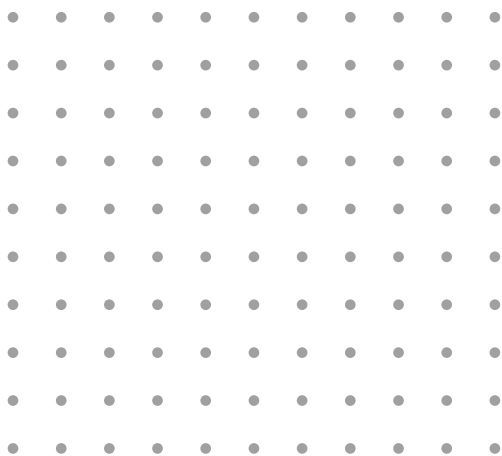
○ $\frac{3}{12}$ ○ $\frac{3}{6}$ ○ $\frac{2}{9}$ ○ $\frac{10}{12}$

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.

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

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

Estimate: _____

$$\begin{array}{r} 1\,6,9\,2\,7 \\ +\,5\,4,3\,4\,6 \\ \hline \end{array}$$

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.

$$\frac{7}{10} - \frac{5}{10} = \frac{\Box}{\Box}$$

43. Find 93×42.

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.

$$\begin{array}{r} 9\,3 \\ \times\,4\,2 \\ \hline \end{array}$$

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

Part A

$\frac{7}{8}$ ◯ $\frac{9}{12}$

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

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

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

Part A
Explain how you can find the sum.

Part B
Add.

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

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 lb 12 oz = _____ oz
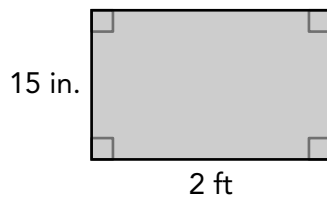
1 lb 14 oz = _____ oz

14 oz = _____ oz

1 lb 12 oz = _____ 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.

15 in.

2 ft

Part A
The area of the figure is _____.

Part B
Explain how you found the area.