

Name 5th ACC

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.

$$3 \overline{)16}$$

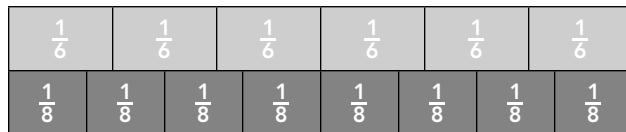
6 R3

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.

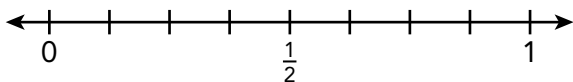


$$\frac{3}{5} = \frac{\square}{10}$$

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

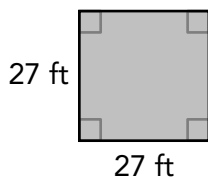
12. What are the partial products?

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

- 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.

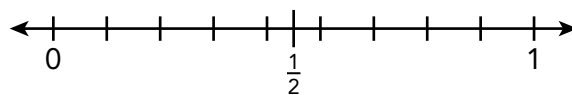
_____ m

14. What is the area of the figure?



- 27 ft²
- 54 ft²
- 108 ft²
- 729 ft²

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

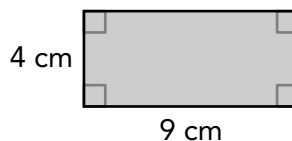
16. What is $\frac{17}{100} + \frac{5}{10}$?

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

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 cm²
- 26 cm²
- 36 cm²
- 72 cm²

19. Find the sum.

$$\frac{2}{10} + \frac{3}{100} = \begin{array}{|c|} \hline \square \\ \hline \square \\ \hline \end{array}$$

20. Multiply.

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

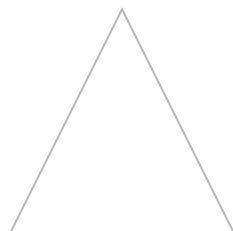
21. Match each triangle to its classification. Some triangles may be named in more than one way.



right



equilateral



isosceles

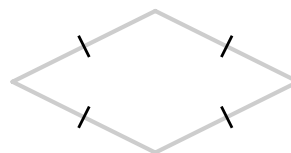
scalene

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

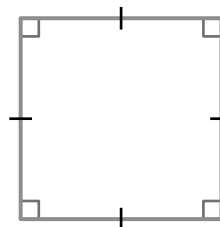
23. Divide.

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

24. Match each quadrilateral to its most precise name.



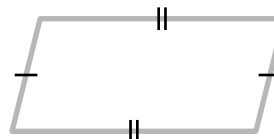
rectangle



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?

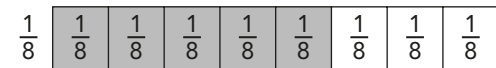
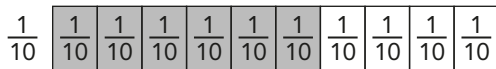
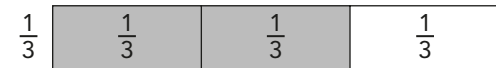
26. Jon is playing a computer game. He scores 125,372 points in round 1 and 137,972 points in round 2. What is the total number of points Jon scores in both rounds?

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.



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?

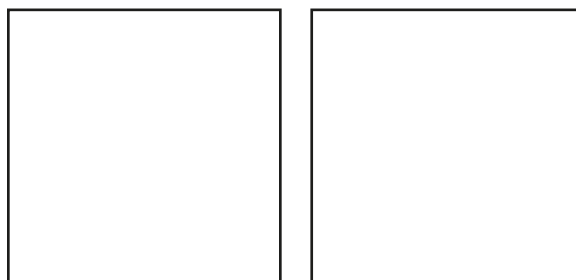
- The length of the blue ribbon is less than the length of the red ribbon.
- The length of the blue ribbon is greater than the length of the red ribbon.
- The length of the blue ribbon is the same as the length of the red ribbon.

- 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.

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



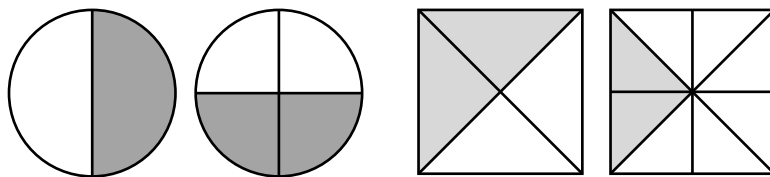
- 33.** Write each fraction as a decimal. Then complete the sentence.

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

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

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.

$\frac{3}{12}$

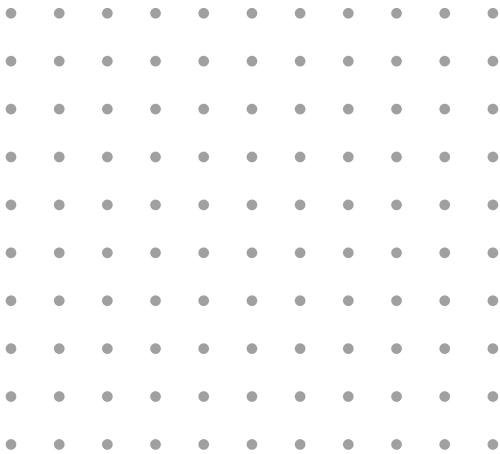
$\frac{3}{6}$

$\frac{2}{9}$

$\frac{10}{12}$

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.

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

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.

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

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 lb 12 oz = _____ oz

1 lb 14 oz = _____ oz

14 oz = _____ oz

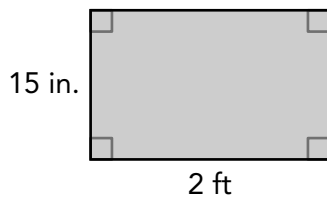
1 lb 12 oz = _____ oz

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.



Part A

The area of the figure is _____.

Part B

Explain how you found the area.