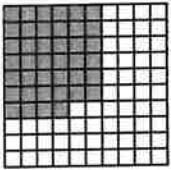


Give the best answer for each question.

1. Which is the standard form of $8 \times 10,000 + 3 \times 1,000 + 9 \times 10$?

8,390
 83,090
 83,009
 803,900

2. What decimal does the shaded part represent? The block represents 1.



3. Which expression uses the Associative Property to simplify $40,809 \times 2 \times 50$?

$40,809 \times 100$
 $81,618 \times 25$
 $40,811 \times 50$
 $40,809 \times 52$

6. Which of the following has an estimated difference of 7.5×10^4 ?

$98,183 - 7,545$
 $98,451 - 23,145$
 $981,936 - 23,974$
 $984,553 - 231,957$

7. Find the products. Then complete the next equation in the pattern.

$$9 \times 2 = \underline{\quad}$$

$$9 \times 20 = \underline{\quad}$$

$$9 \times 200 = \underline{\quad}$$

$$9 \times \underline{\quad} = \underline{\quad}$$

8. Which numbers divide 2,025 evenly? Select **all** that apply.

2 5
 3 6
 4 9

4. Write $3 \times 10 + 5 \times \frac{1}{10} + 9 \times \frac{1}{100} + 3 \times \frac{1}{1,000}$ in standard form.
-

5. Estimate the sum.

$$0.932 + 0.378 \approx \underline{\quad}$$

9. Tina has \$30.00 to spend. First she buys a new pair of sandals for \$22.95. Now she wants to buy a snack for herself and her friend. Each snack costs \$2.60. How can you estimate to decide if Tina has enough money for the snacks? Does she have enough money?

10. Complete the equation.

$$2 \times (4 + \underline{\quad}) = (2 \times \underline{\quad}) + (2 \times 3)$$

What property is shown?

11. Mrs. Woods is older than 85, but younger than 95. Her age is divisible by 8. How old is she?

12. Use the order of operations to find $7 + 16 \div 4 \times (9 - 4)$.

13. **Part A**

In what place is the underlined digit?

271,153,882

Part B

What is the value of the digit to the right of the underlined digit?

14. **Part A**
Divide.

$$5 \overline{)2,974}$$

Part B
Check your answer.

15. Subtract. Choose the answer in simplest form.

$$4\frac{5}{8} - 3\frac{1}{8}$$

$1\frac{4}{8}$ $1\frac{6}{8}$

$1\frac{1}{2}$ $1\frac{3}{4}$

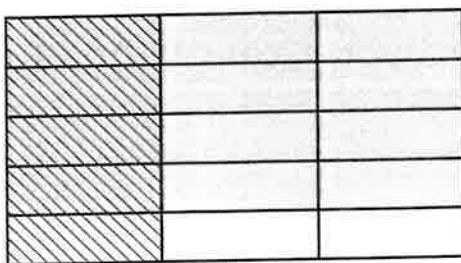
16. Write a fraction that makes the statement true.

$$\frac{4}{9} \times \underline{\quad} > \frac{4}{9}$$

17. Add.

$$\frac{1}{8} + \frac{3}{4} = \underline{\quad}$$

18. Write a multiplication equation for the model.



19. Is the fraction $\frac{8}{17}$ closer to 0, $\frac{1}{2}$, or 1?

0

$\frac{1}{2}$

1

20. Write the missing numbers to complete the equivalent fractions.

$$\frac{3}{5} = \frac{12}{\square} = \frac{\square}{25}$$

21. Subtract.

$$2\frac{3}{5} - 1\frac{3}{10} = \underline{\quad}$$

22. Find the value of n .

$$3\frac{1}{4} + 3\frac{2}{5} = n$$

23. Subtract.

$$\begin{array}{r} \frac{5}{6} \\ - \frac{2}{5} \\ \hline \end{array}$$

24. Write the mixed numbers in order from least to greatest.

$$3\frac{5}{6}, 3\frac{1}{5}, 3\frac{1}{3}$$

25. List the common factors of these numbers. Then circle the greatest common factor.

24

36

26. Terry has $\frac{2}{3}$ cup of white pebbles, $1\frac{1}{2}$ cups of blue pebbles, and $\frac{3}{4}$ cup of purple pebbles for his fish tank. If his fish tank needs 4 cups of pebbles to cover the bottom, how many more cups of pebbles does he need?

27. Add. Write the sum as a mixed number in simplest form.

$$4\frac{1}{8} + 5\frac{1}{8} + 3\frac{1}{4}$$

28. A piece of thread that is $8\frac{3}{8}$ feet long is cut from a 12-foot spool. How much of the original thread is left?

29. **Part A**

Estimate the product.

$$3\frac{1}{5} \times 8\frac{1}{8} \approx \underline{\hspace{2cm}}$$

Part B

What is true about the actual product?

- It is less than the estimate.
- It is greater than the estimate.
- It is equal to the estimate.

Part C

Find the actual product.

$$3\frac{1}{5} \times 8\frac{1}{8}$$

30. Which multiplication expressions can be used to solve the division problem?

Select **all** that apply.

$$3 \div \frac{1}{7} = ?$$

- $3 \times \frac{1}{7}$
- $3 \times \frac{7}{1}$
- 3×7
- $7 \times \frac{1}{3}$

31. Subtract.

$$\begin{array}{r} \$4.67 \\ - \$1.68 \\ \hline \end{array}$$

32. Divide. Give your answer in simplest form.

$$5 \div \frac{5}{6} = \underline{\hspace{2cm}}$$

33. Simplify using the order of operations.

$$2.8 \times 0.3 + 0.02 \times 9.5$$

- 1.03
- 8.17
- 1.372
- 8.512

34. Multiply.

$$\begin{array}{r} 0.582 \\ \times \quad 4 \\ \hline \end{array}$$

35. Divide. Give your answer in simplest form.

$$\frac{3}{5} \div 9 = \underline{\hspace{2cm}}$$

36. What is the product $4,000 \times 0.6$?

- 0.24 2.4
 24 240
 2,400 24,000

37. Find the missing digits.

$$\begin{array}{r} 1 \square . 5 \ 9 \\ + 2 \ 1 . 4 \ \square \\ \hline 3 \ 9 . 0 \ 3 \end{array}$$

38. Find the sum.

$$0.52 + 0.46$$

39. Find the difference.

$$0.74 - n \text{ when } n = 0.35$$

40. How many $\frac{3}{4}$ -inch pieces of bread can a baker cut from an 18-inch loaf of bread?

41. Nathan's soccer practice lasts $\frac{2}{3}$ hour. How many practices has Nathan attended if he has practiced for 12 hours?

42. If Pamela can bike 10.46 kilometers in one hour, how far can she bike in 3.5 hours?

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

$$7.152 - 3.813 \bigcirc 9.513 - 6.013$$

44. **Part A**

Estimate the sum.

$$0.019 + 0.062 \approx \underline{\hspace{2cm}}$$

Part B

Align and add.

45. **Part A**

Estimate the difference.

$$0.95 - 0.33 \approx \underline{\hspace{2cm}}$$

Part B

Align and subtract.

46. Divide and check.

$$5 \overline{)0.468}$$