Name _____   Date _____

$$\begin{array}{r} 22 \\ \times\ 67 \\ \hline \end{array}\qquad \begin{array}{r} 76 \\ \times\ 62 \\ \hline \end{array}\qquad \begin{array}{r} 87 \\ \times\ 24 \\ \hline \end{array}\qquad \begin{array}{r} 39 \\ \times\ 89 \\ \hline \end{array}$$

$$\begin{array}{r} 48 \\ \times\ 84 \\ \hline \end{array}\qquad \begin{array}{r} 87 \\ \times\ 47 \\ \hline \end{array}\qquad \begin{array}{r} 35 \\ \times\ 14 \\ \hline \end{array}\qquad \begin{array}{r} 48 \\ \times\ 96 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ \times\ 80 \\ \hline \end{array}\qquad \begin{array}{r} 50 \\ \times\ 44 \\ \hline \end{array}\qquad \begin{array}{r} 76 \\ \times\ 21 \\ \hline \end{array}\qquad \begin{array}{r} 34 \\ \times\ 28 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times\ 17 \\ \hline \end{array}\qquad \begin{array}{r} 36 \\ \times\ 26 \\ \hline \end{array}\qquad \begin{array}{r} 97 \\ \times\ 79 \\ \hline \end{array}\qquad \begin{array}{r} 65 \\ \times\ 58 \\ \hline \end{array}$$

Name _____   Date _____

$$\begin{array}{r} 79 \\ \times\ 30 \\ \hline \end{array}$$
$$\begin{array}{r} 37 \\ \times\ 12 \\ \hline \end{array}$$
$$\begin{array}{r} 48 \\ \times\ 90 \\ \hline \end{array}$$
$$\begin{array}{r} 65 \\ \times\ 59 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ \times\ 80 \\ \hline \end{array}$$
$$\begin{array}{r} 30 \\ \times\ 81 \\ \hline \end{array}$$
$$\begin{array}{r} 54 \\ \times\ 80 \\ \hline \end{array}$$
$$\begin{array}{r} 93 \\ \times\ 68 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ \times\ 78 \\ \hline \end{array}$$
$$\begin{array}{r} 74 \\ \times\ 54 \\ \hline \end{array}$$
$$\begin{array}{r} 18 \\ \times\ 25 \\ \hline \end{array}$$
$$\begin{array}{r} 49 \\ \times\ 73 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ \times\ 55 \\ \hline \end{array}$$
$$\begin{array}{r} 48 \\ \times\ 44 \\ \hline \end{array}$$
$$\begin{array}{r} 34 \\ \times\ 91 \\ \hline \end{array}$$
$$\begin{array}{r} 76 \\ \times\ 92 \\ \hline \end{array}$$

Name _____

MACC.4.NF.2.3c Add and subtract mixed numbers with like denominators, e.g., by replacing each mixed number with an equivalent fraction, and/or by using properties of operations and the relationship between addition and subtraction.

1. Add:

$$1\frac{2}{3} + 2\frac{2}{3} =$$

A $3\frac{1}{3}$

B $3\frac{2}{3}$

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

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

2. Add:

$$4\frac{3}{8} + 2\frac{5}{8} =$$

A 6

B $6\frac{2}{8}$

C $6\frac{6}{8}$

D 7

3. Add:

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

Explain how you found the sum.

_____

_____

_____

_____

4. Subtract:

$$3\frac{9}{12} - 1\frac{4}{12}$$

A $2\frac{6}{12}$

B $2\frac{5}{12}$

C $1\frac{6}{12}$

D $1\frac{5}{12}$

5. Subtract:

$$8\frac{5}{6} - 6\frac{4}{6}$$

Explain how you found the difference.

_____

_____

_____

_____

_____

_____

6. Subtract:

$$10\frac{4}{5} - 2\frac{1}{5} =$$

A 7

B $7\frac{3}{5}$

C 8

D $8\frac{3}{5}$

55

Name _____

Write the correct answer.

1. An office supply store sold 310,409 pencils last year. What is the expanded form of 310,409?

2. The population of Yuba City, California is 60,360 people. What is 60,360 rounded to the nearest thousand?

3. Last year, the local animal shelter found homes for 12,308 dogs and 7,953 cats. What is the total number of dogs and cats the animal shelter found homes for last year?

4. The area of South Dakota is 77,353 square miles. The area of North Dakota is 70,700 square miles. How many square miles greater is the area of South Dakota than the area of North Dakota?

5. Juan wrote this pattern on his paper.
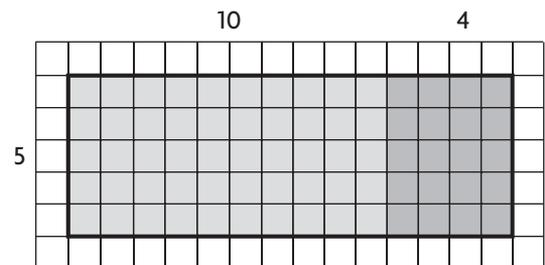
   $3 \times 6 = 18$

   $3 \times 60 = 180$

   $3 \times 600 = 1{,}800$

   $3 \times 6{,}000 = $ ▢

   What is the unknown number in Juan's pattern?

6. James uses the Distributive Property to find how many cans of paint are in the art supply closet. There are 5 boxes in the closet. Each box holds 14 cans.

   How many cans of paint are in the closet?

GO ON

7. Ling's parents buy 4 tickets for the nature museum. Each ticket costs $13. What is the total cost of the 4 tickets?

_____

8. The theater has 1,678 seats. A magician performed 3 sold out shows at the theater. How many people were able to see the magician's show?

_____

9. Erin has 4 bags with 19 marbles in each bag. She also has 7 bags with 14 marbles in each bag. She gives 23 marbles to her brother. She wrote this expression to find how many marbles she has left. How many marbles does Erin have left?
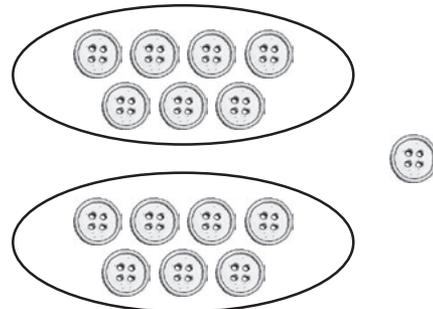
$$4 \times 19 + 7 \times 14 - 23$$

_____

10. Risley's Restaurant charges $12 for a spaghetti dinner special. During one hour 16 people ordered the spaghetti dinner special.
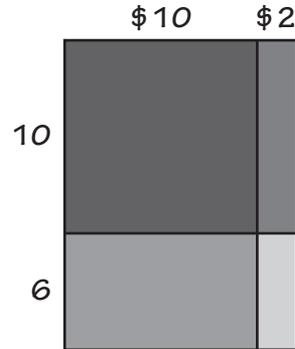
What is the total amount Risley's Restaurant charged during that hour for the spaghetti dinner specials?

_____

11. Anya used buttons to model a division problem.

The division problem this model represents is _____.
The whole-number quotient is _____ and the remainder is _____.

12. The Distributive Property can help you divide. Show how you can break apart the dividend to find the whole-number quotient for 224 ÷ 7.

GO ON ▶

13. On Saturday, a total of 1,292 people went to see a new movie. There were 4 different showings for the new movie and the same number of people attended each showing. How many people attended each showing?

14. A dentist bought 9 bags of prizes for his patients. Each bag had 12 prizes. The prizes were divided equally among 3 boxes. How many prizes were in each box?

15. Rylee is learning about prime numbers in math class. Her friend asked her to name all the prime numbers between 10 and 20. What numbers should Rylee name?

16. Cassie wrote some numbers in a number pattern.

14, 17, 12, 15, 10, 13, 8, 11

What should be the next number in her pattern?

17. Mrs. Dalton needs $\frac{1}{2}$ cup mixed nuts for her granola recipe. She only has a $\frac{1}{4}$ cup measuring cup. Write the equivalent fraction that shows the amount of mixed nuts she will use for the recipe.

18. Michael is practicing the piano. He spends $\frac{1}{2}$ hour practicing scales and $\frac{1}{4}$ hour practicing the piece for his recital. What is a common denominator for $\frac{1}{2}$ and $\frac{1}{4}$?

19. Julia and Sam rode their bikes on the bike path. Julia rode her bike $\frac{3}{10}$ of the path's distance. Sam rode his bike $\frac{4}{8}$ of the path's distance. Compare the distances using $<$, $>$, or $=$.

GO ON

20. Ali needs $\frac{4}{10}$ yard of red ribbon and $\frac{5}{10}$ yard of blue ribbon to make a tail for her kite. How much ribbon does Ali need in all?

_____

21. Bryan brought $\frac{8}{10}$ gallon of water on a hiking trip. He drank $\frac{4}{10}$ gallon of water. How much water is left?

_____

22. Lily has two kittens. One kitten weighs $\frac{15}{16}$ pound. The other kitten weighs $\frac{12}{16}$ pound. What is the difference in the weights of the two kittens?

_____

23. Jamie put $2\frac{3}{12}$ pounds of green apples into a bag. He then added $3\frac{5}{12}$ pounds of red apples into the same bag. What is the total weight of the apples in the bag?

_____

24. Mrs. Laska buys $4\frac{5}{8}$ yards of blue fabric and $2\frac{1}{8}$ yards of green fabric. How many more yards of blue fabric than green fabric does Mrs. Laska buy?

_____

25. In Crosby's model collection, $\frac{5}{16}$ of the models are trains and $\frac{7}{16}$ of the models are cars. What part of Crosby's model collection is trains and cars?

_____

26. Leo walks his dog $\frac{7}{8}$ mile. He walks his dog 3 times a day. How far does Leo walk his dog every day? Show how you can use repeated addition to solve.

_____

GO ON