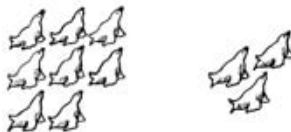


3-2 Review Sums Through 12

pages 35–36

Name _____



$$8 + 3 = \underline{\quad}$$

$$\begin{array}{r} 8 \\ + 3 \\ \hline \end{array}$$

1 Getting Started

Objective

- To review and practice sums through 12

Vocabulary

dozen

Materials

*addition fact cards for sums through 12; 1 egg carton; 12 counters

Warm Up • Mental Math

Ask students which day comes before

- Monday (Sunday)
- Thursday (Wednesday)
- Friday (Thursday)
- Tuesday (Monday)
- Sunday (Saturday)
- Wednesday (Tuesday)
- Saturday (Friday)

Warm Up • Number Sense

Show addition fact cards that are doubles and doubles plus 1 in random order. (5 + 5, 5 + 6) Have students give the sum of each and place them in a doubles or doubles plus 1 group. Now, show the doubles fact cards and have students find the doubles plus 1 fact. Then, show a doubles plus 1 fact for students to find the doubles fact.

2 Teach

Develop Skills and Concepts Have students place 1 counter in each compartment of an egg carton. Ask students how many counters there are in all. (12) Tell students that 12 of anything can be called a dozen. Discuss buying eggs by the dozen. Have students remove all counters and then place 1 counter in each of 3 compartments. Ask how many more counters will make 1 dozen. (9) Have a student write $3 + 9 = 12$ on the board. Continue to review the facts for 11 and 12 in this way.

Add.

1 $\begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$

2 $\begin{array}{r} 6 \\ + 6 \\ \hline 12 \end{array}$

3 $\begin{array}{r} 5 \\ + 5 \\ \hline 10 \end{array}$ $\begin{array}{r} 7 \\ + 4 \\ \hline 11 \end{array}$ $\begin{array}{r} 1 \\ + 9 \\ \hline 10 \end{array}$ $\begin{array}{r} 9 \\ + 2 \\ \hline 11 \end{array}$ $\begin{array}{r} 3 \\ + 8 \\ \hline 11 \end{array}$ $\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$ $\begin{array}{r} 9 \\ + 1 \\ \hline 10 \end{array}$

4 $\begin{array}{r} 2 \\ + 8 \\ \hline 10 \end{array}$ $\begin{array}{r} 5 \\ + 6 \\ \hline 11 \end{array}$ $\begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$ $\begin{array}{r} 8 \\ + 2 \\ \hline 10 \end{array}$ $\begin{array}{r} 9 \\ + 3 \\ \hline 12 \end{array}$ $\begin{array}{r} 6 \\ + 5 \\ \hline 11 \end{array}$ $\begin{array}{r} 8 \\ + 4 \\ \hline 12 \end{array}$

5 $\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$ $\begin{array}{r} 3 \\ + 9 \\ \hline 12 \end{array}$ $\begin{array}{r} 4 \\ + 8 \\ \hline 12 \end{array}$ $\begin{array}{r} 6 \\ + 4 \\ \hline 10 \end{array}$ $\begin{array}{r} 2 \\ + 9 \\ \hline 11 \end{array}$ $\begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array}$ $\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$

Solve.

6 Mitch planted 8 tulips. Then he planted 3 more. How many tulips did Mitch plant? $\begin{array}{r} 8 \\ + 3 \\ \hline 11 \end{array}$ tulips

7 Tony saw 6 horses. Karyn saw 6 cows. How many animals did they see? $\begin{array}{r} 6 \\ + 6 \\ \hline 12 \end{array}$ animals

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3 Practice

Using page 35 Have students count how many seals there are in each group in the example and tell the total. (11) Have students trace the 11 in both problems. Ask students to tell the number of objects there are in each group in Exercise 1. (7, 3) Ask students how many objects there are in all. (10) Remind students there are 1 ten 0 ones in 10 as they draw a circle around the 10 objects. Repeat the procedure for Exercise 2 and have students complete the next set of exercises.

- Read through the two story problems with students if necessary. Remind students that they must write the sign in each problem and record the answer in the solution statement when they complete it.

Using page 36 Have students complete the four rows of exercises independently.

Add.

$$\begin{array}{r} 1 \\ + 9 \\ \hline 12 \end{array} \quad \begin{array}{r} 5 \\ + 5 \\ \hline 10 \end{array} \quad \begin{array}{r} 3 \\ + 6 \\ \hline 9 \end{array} \quad \begin{array}{r} 8 \\ + 2 \\ \hline 10 \end{array} \quad \begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array} \quad \begin{array}{r} 9 \\ + 1 \\ \hline 10 \end{array} \quad \begin{array}{r} 8 \\ + 4 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 2 \\ + 7 \\ \hline 12 \end{array} \quad \begin{array}{r} 1 \\ + 9 \\ \hline 10 \end{array} \quad \begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array} \quad \begin{array}{r} 6 \\ + 5 \\ \hline 11 \end{array} \quad \begin{array}{r} 4 \\ + 8 \\ \hline 12 \end{array} \quad \begin{array}{r} 3 \\ + 3 \\ \hline 6 \end{array} \quad \begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 3 \\ + 4 \\ \hline 7 \end{array} \quad \begin{array}{r} 7 \\ + 4 \\ \hline 11 \end{array} \quad \begin{array}{r} 8 \\ + 3 \\ \hline 11 \end{array} \quad \begin{array}{r} 4 \\ + 5 \\ \hline 9 \end{array} \quad \begin{array}{r} 7 \\ + 2 \\ \hline 9 \end{array} \quad \begin{array}{r} 4 \\ + 4 \\ \hline 8 \end{array} \quad \begin{array}{r} 2 \\ + 9 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 4 \\ + 6 \\ \hline 12 \end{array} \quad \begin{array}{r} 9 \\ + 3 \\ \hline 12 \end{array} \quad \begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array} \quad \begin{array}{r} 5 \\ + 3 \\ \hline 8 \end{array} \quad \begin{array}{r} 2 \\ + 8 \\ \hline 10 \end{array} \quad \begin{array}{r} 9 \\ + 2 \\ \hline 11 \end{array} \quad \begin{array}{r} 4 \\ + 6 \\ \hline 10 \end{array}$$

Now Try This!

Write the missing numbers.

It's Algebra!

$$\begin{array}{r} 1 \\ + \boxed{2} \\ \hline 7 \end{array} \quad \begin{array}{r} 8 \\ + \boxed{2} \\ \hline 10 \end{array} \quad \begin{array}{r} 6 \\ + \boxed{6} \\ \hline 12 \end{array} \quad \begin{array}{r} 5 \\ + \boxed{5} \\ \hline 10 \end{array} \quad \begin{array}{r} 3 \\ + \boxed{8} \\ \hline 11 \end{array}$$

$$\begin{array}{r} 2 \\ 8 \\ - \boxed{5} \\ \hline 3 \end{array} \quad \begin{array}{r} 10 \\ - \boxed{4} \\ \hline 6 \end{array} \quad \begin{array}{r} 9 \\ - \boxed{5} \\ \hline 4 \end{array} \quad \begin{array}{r} 11 \\ - \boxed{5} \\ \hline 6 \end{array} \quad \begin{array}{r} 12 \\ - \boxed{7} \\ \hline 5 \end{array}$$

For Mixed Abilities

Common Errors • Intervention

Some students may need additional practice with sums through 12. Have students work in pairs. Give each pair a card with a number from 8 to 12 on it. Each pair looks at its card and the partners take turns writing on a separate sheet of paper a fact whose sum is the number on the card. When all the facts for the number are written correctly, the pair trades cards with another pair, continuing in this manner until all the facts are practiced.

Enrichment • Number Sense

1. Tell students to have a friend guess the addition fact they are thinking of if the sum is 11 and one of the numbers is 2.
2. Tell students to roll two dice and give the sum and have a friend roll the dice and give a sum. The higher sum wins a point. The first player to earn 10 points wins.

More to Explore • Estimation

Place different numbers of objects with interesting shapes in ten small paper bags. Select a student to find the bag that has the number of objects in it from 1 to 10 that you name. Have students feel the bags to determine which one holds the specified number of objects. Students may not look inside the bags. When students think they have found the correct bag, empty the bag and have students count the objects. Mix the order of the bags and repeat the activity several times.

ESL/ELL STRATEGIES

Use examples to explain instructions. Explain *match* by pointing to a sample answer and saying, *Things that match are the same.* For *missing number*, point to an empty box on page 36 and say, *There is no number here. It is a missing number.*

Now Try This! Remind students that they have worked exercises like this before. Ask students what number is added to 5 to have a sum of 7. (2) Have students trace the 2. Ask what operation is to be used in each problem in the first row. (addition) Ask what operation they will use in the second row. (subtraction) Have students complete the exercises independently.

It's Algebra! The concepts of this activity prepare students for algebra.

4 Assess

Tell students, *Marc has 8 marbles. Annie has 4. How many marbles do they have altogether?* Have students write and solve a number sentence for this problem. ($8 + 4 = 12$)