

Dear Parents,

Our fourth graders had a busy year learning new math skills. Mastery of all these skills is extremely important. The fifth grade math program will build onto these fourth grade skills, so reinforcement of basic math skills and concepts is important.

Over the summer, in between relaxing and enjoying family time, please have your child complete the following math problems a page at a time. The packet includes reinforcement problems for the basic operations and solving word problems. Your child should bring the completed packet with them the first day of school with their name written on the top please:)

Thank you in advance for your support. I am excited for what we will learn together next year in Math!

Mrs. Sardella

Name: \_\_\_\_\_

# Addition & Subtraction

1. Find the sum or difference for each problem below.

$$\begin{array}{r} 7,045 \\ + 9,461 \\ \hline \end{array}$$

$$\begin{array}{r} 9,804 \\ - 3,729 \\ \hline \end{array}$$

$$\begin{array}{r} 8,514 \\ + 5,973 \\ \hline \end{array}$$

2. What is the difference between 6,723 and 2,248? \_\_\_\_\_

3. Add 5,247 and 4,859. \_\_\_\_\_

Directions: Solve the word problems.

4. Sunny Beach is one of the most popular beaches in Virginia. In 2022, 643,012 people visited the beach. In 2023, 708,509 people visited. How many more people visited in 2023 than 2022? *Use a calculator to solve.*

\_\_\_\_\_

5. Lara's family drove 1,347 miles to visit Sunny Beach. Kevin's family drove 486 miles to get there. How many combined miles did the two families drive?

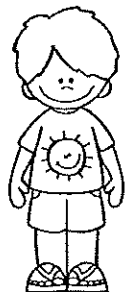
\_\_\_\_\_

6. Juan owns three different surf shops at Sunny Beach. Last summer, he sold 7,195 surfboards, 9,612 bathing suits, and 3,047 beach toys at his shops. How many more bathing suits and surfboards did Juan sell than beach toys?

\_\_\_\_\_

7. Sunny Beach is home to 3,214 sand crabs and 759 seagulls. What is the difference between the two populations?

\_\_\_\_\_



Name: \_\_\_\_\_

## Lemonade Stand Word Problems

1. Seth and Laura decided to set up a lemonade stand on Saturday. Their mom bought 4 bags of sugar and 51 lemons. How much did their mom spend on the sugar and lemons?

Item	Cost
sugar	\$3
lemon	\$1

\_\_\_\_\_

2. Seth made the first batch of lemonade. He used 3 lemons. If he continues to use the same number of lemons each time, how many total batches will he be able to make?

\_\_\_\_\_

3. At the end of the day, Laura and Seth had sold 47 cups of lemonade. They charged \$2 for each cup. How much money did they make?

\_\_\_\_\_

4. Laura and Seth paid their mom back for the sugar and lemons and kept the rest of the money they made. How much money do they have now?

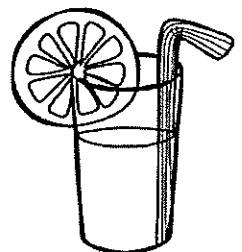
\_\_\_\_\_

5. Seth and Laura want to sell lemonade every Saturday for the rest of the summer. There are 9 Saturdays left before school starts. If they continue to buy 51 lemons each time, about how many lemons will they have used altogether?

\_\_\_\_\_

6. Seth and Laura already have \$1,538 in their savings account. How much money will they need to make selling lemonade in order to have \$2,222 in their account?

\_\_\_\_\_



Name: \_\_\_\_\_

# Mixed Problems with Whole Numbers

Directions: Solve each problem. Be sure to pay attention to the symbols!

1.  $4 \overline{)562}$

2. 
$$\begin{array}{r} 7,938 \\ + 6,245 \\ \hline \end{array}$$

3. 
$$\begin{array}{r} 16 \\ \times 23 \\ \hline \end{array}$$

4. 
$$\begin{array}{r} 8,137 \\ + 1,659 \\ \hline \end{array}$$

5. 
$$\begin{array}{r} 99 \\ \times 9 \\ \hline \end{array}$$

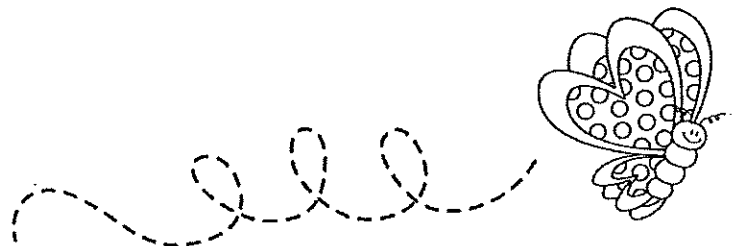
6. 
$$\begin{array}{r} 5,673 \\ - 4,816 \\ \hline \end{array}$$

7.  $7 \overline{)413}$

8. 
$$\begin{array}{r} 3,025 \\ - 1,719 \\ \hline \end{array}$$

9.  $3 \overline{)67}$

10. 
$$\begin{array}{r} 825 \\ \times 7 \\ \hline \end{array}$$

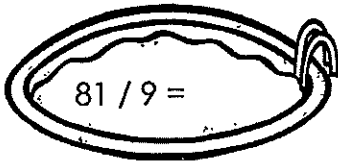


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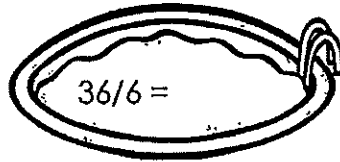
# Dividing Numbers

Directions: Solve the division facts.

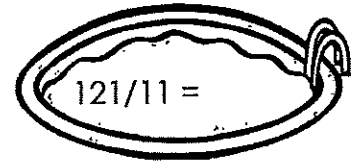
1.



2.



3.



Directions: Solve the division problems.

4.  $2 \overline{) 703}$

5.  $8 \overline{) 52}$

6.  $5 \overline{) 425}$

7.  $980 / 7 =$  \_\_\_\_\_

8.  $57 \div 6 =$  \_\_\_\_\_

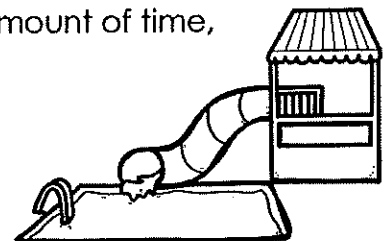
Directions: Solve the word problems.

9. Tessa celebrated her birthday at the water park with 8 of her friends. Tessa's mom bought 494 tickets for the nine kids to use for the different rides. How many tickets will each child get?

\_\_\_\_\_

10. Tessa and 3 of her friends went down the giant water slide. It took them 184 seconds to go down it altogether. If each kid took the same amount of time, how long did it take for one of them to go down the slide?

\_\_\_\_\_



Name: \_\_\_\_\_

# Simplifying Fractions

1. Simplify each fraction below. If it is already in simplest form, draw a star next to it.

$\frac{4}{12} =$

$\frac{2}{10} =$

$\frac{8}{8} =$

$\frac{6}{10} =$

$\frac{3}{5} =$

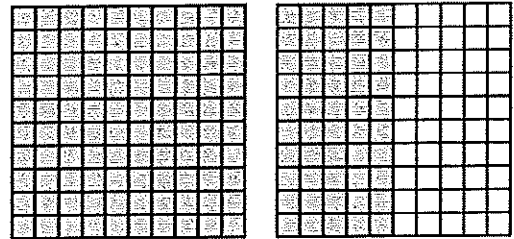
$\frac{2}{4} =$

$\frac{4}{6} =$

$\frac{2}{3} =$

2. Look at the mixed number shown by the model. Write it below in simplest form.

\_\_\_\_\_



3. Shaina signed up for diving lessons at her pool. The first lesson was 12 minutes long. Two minutes of it were spent reviewing safety rules. Shaina told her mom she spent  $\frac{2}{6}$  of the lesson learning about rules. Is she correct? Explain your thinking.

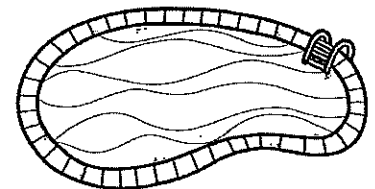
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. There were 8 students in Kelsie's diving class. 6 of them brought their goggles. What fraction of the class brought goggles, in simplest form?

\_\_\_\_\_

5. A swimming pool has ten lanes. Eight of them are currently being used. Write the fraction of lanes being used in its simplest form.

\_\_\_\_\_

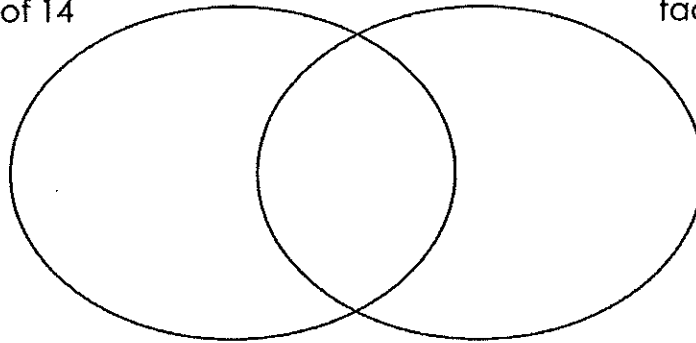


Name: \_\_\_\_\_

## Finding Factors and the GCF

1. List all the factors of 6. \_\_\_\_\_
2. List all the factors of 20. \_\_\_\_\_
3. List all the factors of 11. \_\_\_\_\_
4. Complete the Venn diagram to show the factors of 14 and 16.

factors of 14



factors of 16

5. What factors do 8 and 12 have in common? \_\_\_\_\_
6. List the factors of 10 and 15 and then circle all the factors they have in common.

factors of 10: \_\_\_\_\_

factors of 15: \_\_\_\_\_

Which common factor is the greatest common factor (GCF) of 10 and 15? \_\_\_\_\_

7. What is the greatest common factor (GCF) of:

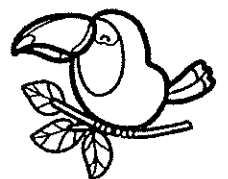
9 and 18? \_\_\_\_\_

4 and 5? \_\_\_\_\_

5 and 30? \_\_\_\_\_

3, 6, and 12? \_\_\_\_\_

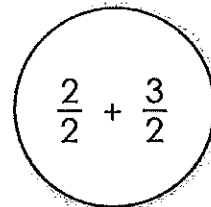
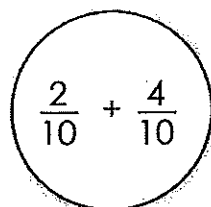
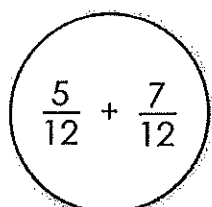
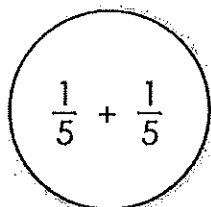
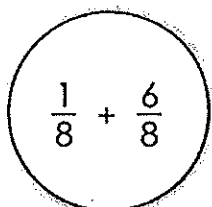
6, 8, and 10? \_\_\_\_\_



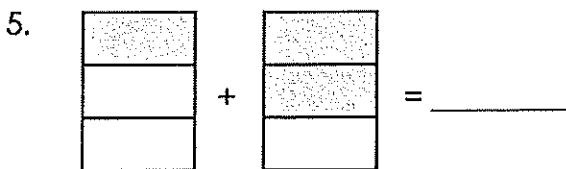
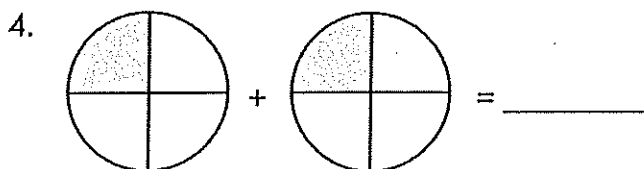
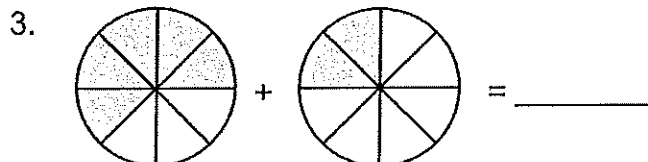
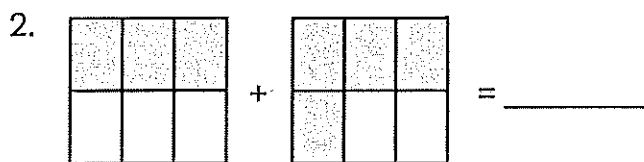
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# Adding Fractions

1. Estimate the sums in the sports balls. Color the ones that equal about 1.



Directions: Determine the sum of each pair of fractions. Answer in simplest form.



6.  $\frac{7}{5} + \frac{1}{5} =$  \_\_\_\_\_

7.  $\frac{4}{10} + \frac{2}{10} =$  \_\_\_\_\_

8.  $\frac{2}{12} + \frac{7}{12} =$  \_\_\_\_\_

Directions: Solve the word problems. Write your answers in simplest form.

9. Justin's soccer team has 12 players. 4 players drank sports drinks at Saturday's game. 6 drank water. What fraction of the team drank either a sports drink or water?

\_\_\_\_\_

10. Justin's mom bought a large pizza for Justin and his teammate Sami after their game. Justin ate  $\frac{3}{8}$  of the pizza and Sami ate  $\frac{4}{8}$  of it. How much of the pizza did they eat?

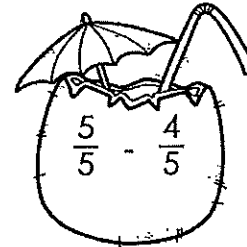
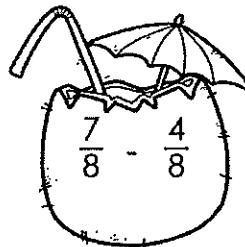
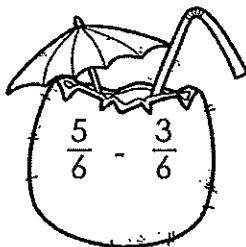
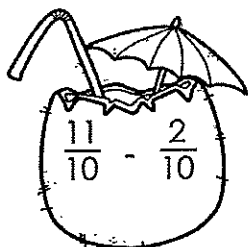
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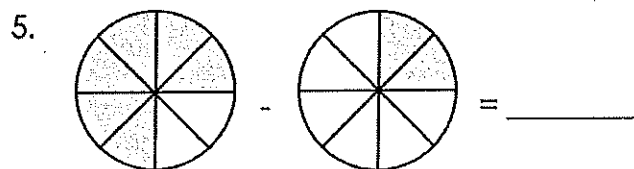
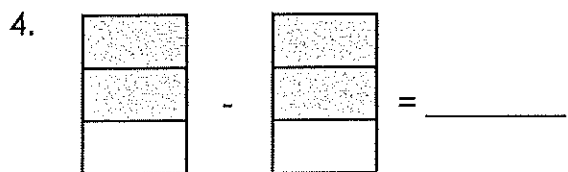
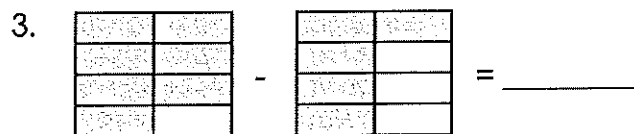
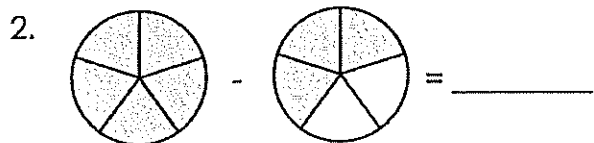
Name: \_\_\_\_\_

# Subtracting Fractions

1. Is the difference in each coconut drink closest to 0,  $\frac{1}{2}$ , or 1?



Directions: Solve the subtraction problems. Answer in simplest form.



6.  $\frac{8}{12} - \frac{6}{12} =$  \_\_\_\_\_

7.  $\frac{5}{4} - \frac{2}{4} =$  \_\_\_\_\_

8.  $\frac{5}{6} - \frac{1}{6} =$  \_\_\_\_\_

Directions: Solve the word problems. Write your answers in simplest form.

9. Lucy went to a luau. She filled her cup four-fifths full with coconut milk. At the end of the luau, her cup was two-fifths full. How much did she drink during the luau?

\_\_\_\_\_



10.  $\frac{4}{12}$  of the guests liked the fire dancing best. The rest preferred the storytelling. What fraction of the guests liked storytelling better?

\_\_\_\_\_