

## Grade 3 Unit 1 Module 1

# Practice Pages for Math at Home

The Bridges Second Edition Module Packets, available from the Home Learning Resources page of the Bridges Educator Site, are designed to provide a review of math topics that were covered in class prior to school closures. They are meant for teachers

to send home, so students can continue to engage with key grade-level skills. The material in these packets includes exercises that can be completed by students at home with their families.

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NAME \_\_\_\_\_

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## Summer Vacation Survey, Part 1

Samir and Sophia interviewed different classmates to find out what they did during summer vacation. Read each question carefully to find out what their classmates did. Then answer each question using words, pictures, or numbers. Show your work.

- 1 Fourteen of the people Samir interviewed went swimming, and 9 of the people Sophia interviewed went swimming. How many of Samir and Sophia's classmates went swimming?
- 2 Eight of the people Sophia interviewed went to summer camp, and 13 of the people Samir interviewed went to summer camp. How many people went to summer camp?



- 3 Nine of the people who went to summer camp went to sleepover camp and the rest went to day camp. How many people went to day camp? (Hint: You will need to use the answer to question 2.)



- 4 Samir and Sophia learned that 17 of their classmates went to the library during summer vacation. Samir interviewed 8 of those 17 people. How many of those people did Sophia interview?



- 5 Find each sum or difference.

$$7 + 15 = \underline{\quad\quad\quad} \quad 3 + 8 = \underline{\quad\quad\quad} \quad 12 - 7 = \underline{\quad\quad\quad} \quad 16 - 8 = \underline{\quad\quad\quad}$$

NAME \_\_\_\_\_

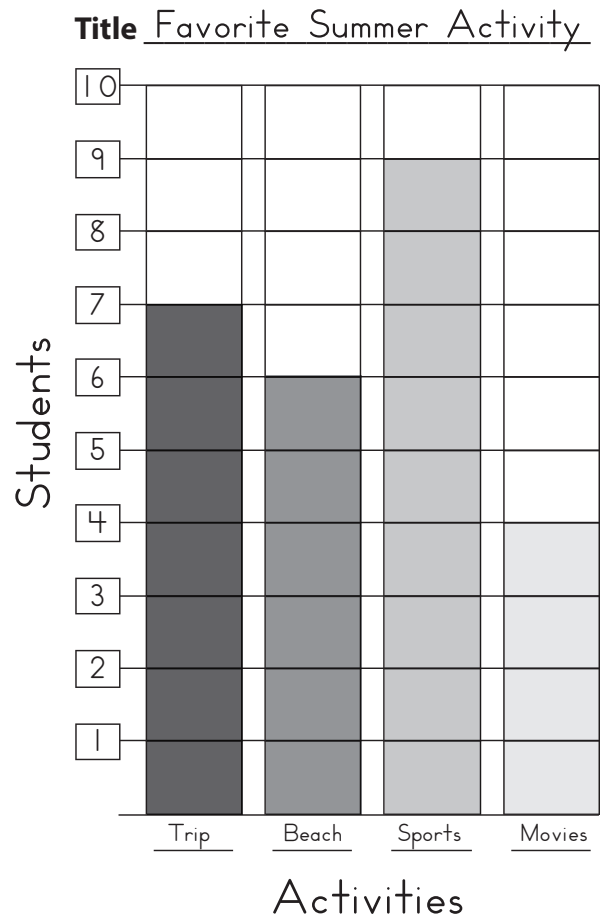
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## Summer Vacation Survey, Part 2

Samir and Sophia interviewed their classmates about their favorite summertime activities. They put the results into a bar graph. Use the bar graph to answer the following questions. Use words, pictures, or numbers to show your work.

- 1 How many people liked going to the beach best? \_\_\_\_\_
- 2 How many people liked going on a trip best? \_\_\_\_\_
- 3 Nine people liked playing a summer sport and 4 people liked going to the movies. How many more people liked playing a summer sport than going to the movies?



- 4 How many people did Sophia and Samir survey in all? How do you know?

- 5 Find each sum or difference.

$14 - 5 = \underline{\hspace{2cm}}$

$13 + 5 = \underline{\hspace{2cm}}$

$15 - 10 = \underline{\hspace{2cm}}$

$9 + 8 = \underline{\hspace{2cm}}$



## Story Problems

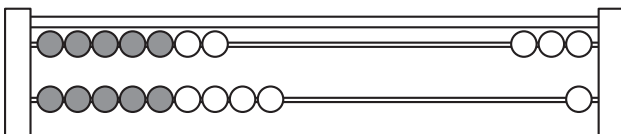
- 1** Conner and Carlos are doing a puzzle. The puzzle has 16 pieces. So far, Conner and Carlos have fit 9 pieces together. How many more pieces do they need to fit together to finish the puzzle?
- What is this problem asking you to figure out?
  - Underline information in the problem that will help you find the answer.
  - Use this space to solve the problem. Show all your work using numbers, words, or labeled sketches.

Answer \_\_\_\_\_

- 2** Simone and Aleshia are saving money to buy a new tent together to take camping. Simone has saved \$17 and Aleshia has saved \$10. How much have they saved in all?
- What is this problem asking you to figure out?
  - Underline information in the problem that will help you find the answer.
  - Use this space to solve the problem. Show all your work using numbers, words, or labeled sketches.

Answer \_\_\_\_\_

- 3** Write an equation that could represent this picture.



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## Addition Fact Practice

**1** Complete the Make Ten facts below.

$$\begin{array}{r} \square \\ + 5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} \square \\ + 9 \\ \hline 10 \end{array}$$

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

$$\begin{array}{r} \square \\ + 4 \\ \hline 10 \end{array}$$

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

**2** Solve the Doubles facts below.

$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$$

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

**3** Solve the Doubles Plus or Minus One facts below.

$$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$

**4** Explain how you can use a Doubles fact to solve each of the following:

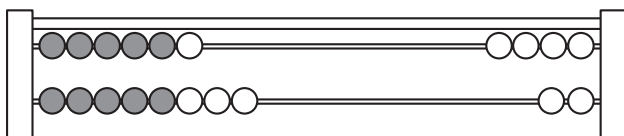
**a**  $9 + 7$

**b**  $6 + 8$

**c**  $3 + 5$

**5** Is the sum of 0 and any number always even, always odd, or sometimes even and sometimes odd? Explain.

**6** Write an equation that could represent this picture.





## Addition Mixed Review

**1** Fill in the missing number in each equation below.

**a**  $4 + 6 = \underline{\quad}$

**b**  $4 + \underline{\quad} = 11$

**c**  $9 = \underline{\quad} + 2$

**d**  $8 + 9 = \underline{\quad}$

**e**  $16 = 9 + \underline{\quad}$

**2** Explain how you can use a Make Ten fact to help find each sum below.

**a**  $8 + 7$

**b**  $6 + 8$

**c**  $4 + 9$

**3** Complete the equations below by writing three different pairs of numbers with a sum of 12.

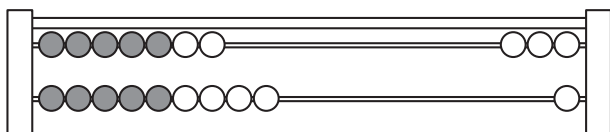
**a**  $\underline{\quad} + \underline{\quad} = 12$

**b**  $\underline{\quad} + \underline{\quad} = 12$

**c**  $\underline{\quad} + \underline{\quad} = 12$

**4** Think about the Doubles facts. What is true about all of the sums?

**5** Write an equation that could represent this picture.



NAME \_\_\_\_\_

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# Addition Fact Review page 1 of 2

## Note to Families

As a classroom teacher, I appreciate the ways in which families contribute to their children's success in school. When you take the time to review your child's schoolwork, talk about your child's day, and practice concepts and skills, you play an important role in your child's education.

In math class, we have been reviewing patterns in basic addition facts. We have reviewed helpful strategies and identified facts we already know. This assignment is intended to be a review and will give students an opportunity to share strategies with you that will later be used with larger numbers.

### 1 Complete these Doubles and Make Ten facts.

4	6	9	8	7	5	9
<u>+ 4</u>	<u>+ 4</u>	<u>+ 9</u>	<u>+ 2</u>	<u>+ 7</u>	<u>+ 5</u>	<u>+ 1</u>

### 2 Complete these Doubles Plus or Minus One facts.

5	7	3	4	8	9	6
<u>+ 4</u>	<u>+ 8</u>	<u>+ 2</u>	<u>+ 3</u>	<u>+ 9</u>	<u>+ 10</u>	<u>+ 5</u>

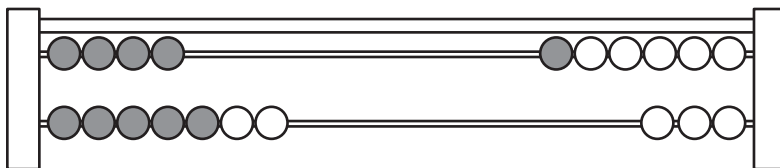
### 3 $6 + 1$ and $7 + 2$ are examples of Count On facts. Write three more Count On facts.

### 4 Kallie thinks that every Doubles problem will have an even sum. Do you agree or disagree? Explain why.

### 5 The sum of two numbers is 12. List three possible equations.

**a** \_\_\_\_ + \_\_\_\_ = 12      **b** \_\_\_\_ + \_\_\_\_ = 12      **c** \_\_\_\_ + \_\_\_\_ = 12

### 6 Write an equation that could represent this picture.



*(continued on next page)*

**Addition Fact Review** page 2 of 2

**7** Emma says that she can prove that  $8 + 3 = 7 + 4$ . How could she use a number rack to prove her thinking? Draw a number rack or explain in writing.

**8** **CHALLENGE** Solve the problem in the easiest way you can. Show your work.  
(Hint: Change the order in which you add the numbers.)

$$60 + 50 + 40 + 70 + 30 =$$

**9** **CHALLENGE** Sage wants to buy board games for some of her friends. Board games cost \$9 each. She has \$6 and one coupon for \$3 off. Her Aunt Barbara gave her \$7 and another coupon for \$3 off.

**a** How many games can Sage buy if she uses the coupons? Show your work.

**b** Will Sage have any money left over? If so, how much? Show your work.



# Answer Keys

NAME \_\_\_\_\_

DATE \_\_\_\_\_



## Summer Vacation Survey, Part 1

Samir and Sophia interviewed different classmates to find out what they did during summer vacation. Read each question carefully to find out what their classmates did. Then answer each question using words, pictures, or numbers. Show your work.

- 1** Fourteen of the people Samir interviewed went swimming, and 9 of the people Sophia interviewed went swimming. How many of Samir and Sophia's classmates went swimming?

**23 classmates; work will vary. Example:  $14 + 9 =$**

$$\begin{array}{r} 14 + 6 + 3 = \\ 20 + 3 = 23 \end{array}$$

- 2** Eight of the people Sophia interviewed went to summer camp, and 13 of the people Samir interviewed went to summer camp. How many people went to summer camp?

**21 people; work will vary. Example:  $13 + 8 =$**

$$\begin{array}{r} 13 + 7 + 1 = \\ 20 + 1 = 21 \end{array}$$



- 3** Nine of the people who went to summer camp went to sleepover camp and the rest went to day camp. How many people went to day camp? (Hint: You will need to use the answer to question 2.)

**12 people; work will vary.  
Example:  $21 - 9 = 12$**



- 4** Samir and Sophia learned that 17 of their classmates went to the library during summer vacation. Samir interviewed 8 of those 17 people. How many of those people did Sophia interview?

**9 people; work will vary.  
Example:  $17 - 8 = 9$  because  $8 + 9 = 17$**



- 5** Find each sum or difference.

$$7 + 15 = \underline{22} \quad 3 + 8 = \underline{11} \quad 12 - 7 = \underline{5} \quad 16 - 8 = \underline{8}$$

NAME \_\_\_\_\_

DATE \_\_\_\_\_

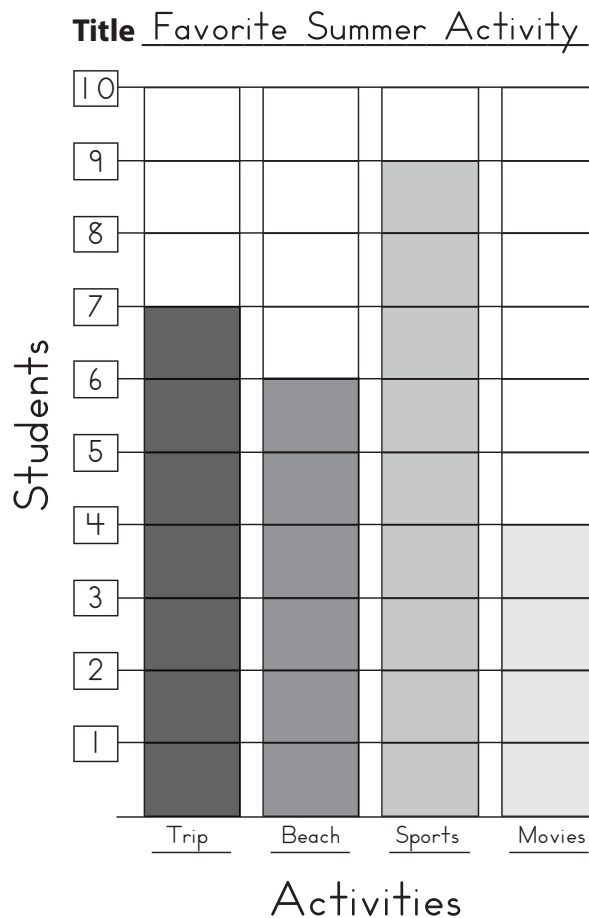


## Summer Vacation Survey, Part 2

Samir and Sophia interviewed their classmates about their favorite summertime activities. They put the results into a bar graph. Use the bar graph to answer the following questions. Use words, pictures, or numbers to show your work.

- How many people liked going to the beach best? 6
- How many people liked going on a trip best? 7
- Nine people liked playing a summer sport and 4 people liked going to the movies. How many more people liked playing a summer sport than going to the movies?

**5 people**  
**Work will vary.**  
**Example:  $9 - 4 = 5$**



- How many people did Sophia and Samir survey in all? How do you know?

**26 people**  
**Explanations will vary.**  
**Example:  $7 + 6 + 9 + 4 =$**   
 $13 + 13 = 26$

- Find each sum or difference.

$14 - 5 = \underline{9}$        $13 + 5 = \underline{18}$        $15 - 10 = \underline{5}$        $9 + 8 = \underline{17}$

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## Story Problems

- 1** Conner and Carlos are doing a puzzle. The puzzle has 16 pieces. So far, Conner and Carlos have fit 9 pieces together. How many more pieces do they need to fit together to finish the puzzle?

- a** What is this problem asking you to figure out?

**Response will vary. Example:**

**How many more pieces to finish the puzzle?**

- b** Underline information in the problem that will help you find the answer.

- c** Use this space to solve the problem. Show all your work using numbers, words, or labeled sketches.

**Work will vary.  
Example:  $16 - 9 = 7$**

Answer 7 pieces

- 2** Simone and Aleshia are saving money to buy a new tent together to take camping. Simone has saved \$17 and Aleshia has saved \$10. How much have they saved in all?

- a** What is this problem asking you to figure out?

**Responses will vary. Example: How much money in all?**

- b** Underline information in the problem that will help you find the answer.

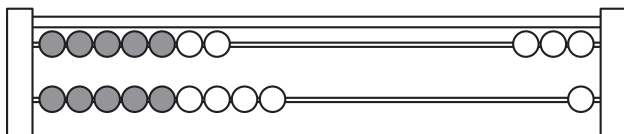
- c** Use this space to solve the problem. Show all your work using numbers, words, or labeled sketches.

**Work will vary. Example:**

$$\begin{array}{r} \$ 17 \\ \$ 10 \\ \hline \$ 27 \end{array}$$

Answer \$27

- 3** Write an equation that could represent this picture.



**Responses will vary.  
Acceptable answers  
include:**

$$7 + 9 = 16$$

$$5 + 5 + 6 = 16$$

$$5 + 5 + 2 + 4 = 16$$

NAME \_\_\_\_\_

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## Addition Fact Practice

1 Complete the Make Ten facts below.

$$\begin{array}{r} 5 \\ + 5 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 1 \\ + 9 \\ \hline 10 \end{array}$$

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

$$\begin{array}{r} 6 \\ + 4 \\ \hline 10 \end{array}$$

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

2 Solve the Doubles facts below.

$$\begin{array}{r} 4 \\ + 4 \\ \hline 8 \end{array}$$

$$\begin{array}{r} 8 \\ + 8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline 4 \end{array}$$

$$\begin{array}{r} 9 \\ + 9 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline 6 \end{array}$$

3 Solve the Doubles Plus or Minus One facts below.

$$\begin{array}{r} 4 \\ + 5 \\ \hline 9 \end{array}$$

$$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 6 \\ + 5 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 7 \\ + 6 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 5 \\ + 6 \\ \hline 11 \end{array}$$

4 Explain how you can use a Doubles fact to solve each of the following:

**Explanations will vary. Examples:**

**a**  $9 + 7$  **If you take 1 from the 9 and give it to the 7 you get  $8 + 8 = 16$ .**

**b**  $6 + 8$   **$6 + 6 = 12$ , and 2 more is 14.**

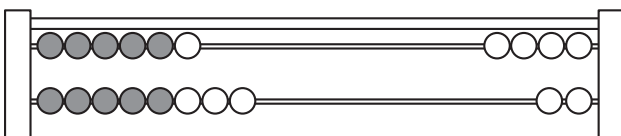
**c**  $3 + 5$   **$5 + 5 = 10$ , and 2 less is 8.**

5 Is the sum of 0 and any number always even, always odd, or sometimes even and sometimes odd? Explain.

**Sometimes even and sometimes odd.**

**Explanations will vary. Example: When you add 0 to any number it doesn't change the number. If you add 0 to an odd number it stays odd. Same with an even number.**

6 Write an equation that could represent this picture. **Equations will vary.**



**Acceptable equations include:**  
 $6 + 8 = 14$   
 $5 + 5 + 4 = 14$     $20 - 6 = 14$   
 $5 + 5 + 1 + 3 = 14$

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## Addition Mixed Review

1 Fill in the missing number in each equation below.

**a**  $4 + 6 = \underline{10}$

**b**  $4 + \underline{7} = 11$

**c**  $9 = \underline{7} + 2$

**d**  $8 + 9 = \underline{17}$

**e**  $16 = 9 + \underline{7}$

2 Explain how you can use a Make Ten fact to help find each sum below.

**Explanations will vary.**

**a**  $8 + 7$  **If you take 2 from the 7 and give it to the 8, it's  $10 + 5 = 15$ .**

**b**  $6 + 8$   **$6 + 8 = 6 + 4 + 4 = 10 + 4 = 14$**

**c**  $4 + 9$  **Move 1 from the 4 to the nine. That's  $3 + 10 = 13$ .**

3 Complete the equations below by writing three different pairs of numbers with a sum of 12. **Responses will vary. Examples shown.**

**a**  $\underline{7} + \underline{5} = 12$

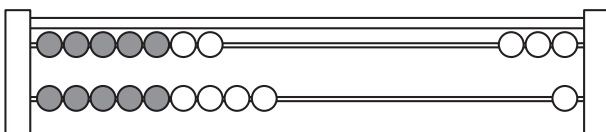
**b**  $\underline{6} + \underline{6} = 12$

**c**  $\underline{8} + \underline{4} = 12$

4 Think about the Doubles facts. What is true about all of the sums?

**Responses will vary. Example: They're all even because if you're adding a number to itself, everyone will have a partner.**

5 Write an equation that could represent this picture.



**Equations will vary. Acceptable answers include:**

**$7 + 9 = 16, 9 + 7 = 16, 5 + 5 + 6 = 16,$**

**$5 + 5 + 2 + 4 = 16, 20 - 4 = 16, 20 - 16 = 4$**

NAME \_\_\_\_\_

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# Addition Fact Review page 1 of 2

## Note to Families

As a classroom teacher, I appreciate the ways in which families contribute to their children's success in school. When you take the time to review your child's schoolwork, talk about your child's day, and practice concepts and skills, you play an important role in your child's education.

In math class, we have been reviewing patterns in basic addition facts. We have reviewed helpful strategies and identified facts we already know. This assignment is intended to be a review and will give students an opportunity to share strategies with you that will later be used with larger numbers.

### 1 Complete these Doubles and Make Ten facts.

4	6	9	8	7	5	9
+ 4	+ 4	+ 9	+ 2	+ 7	+ 5	+ 1
<b>8</b>	<b>10</b>	<b>18</b>	<b>10</b>	<b>14</b>	<b>10</b>	<b>10</b>

### 2 Complete these Doubles Plus or Minus One facts.

5	7	3	4	8	9	6
+ 4	+ 8	+ 2	+ 3	+ 9	+ 10	+ 5
<b>9</b>	<b>15</b>	<b>5</b>	<b>7</b>	<b>17</b>	<b>19</b>	<b>11</b>

### 3 $6 + 1$ and $7 + 2$ are examples of Count On facts. Write three more Count On facts.

**Responses will vary but should be in the form  
 $n + 1$ ,  $1 + n$ ,  $n + 2$ ,  $2 + n$ ,  $n + 3$ , or  $3 + n$ .**

### 4 Kallie thinks that every Doubles problem will have an even sum. Do you agree or disagree? Explain why.

**Responses will vary.  
Doubles facts always have even sums.**

### 5 The sum of two numbers is 12. List three possible equations.

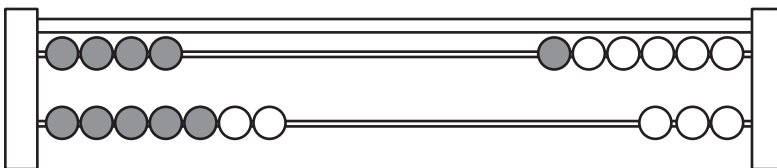
**Responses will vary.**

**a**     $\underline{\quad} + \underline{\quad} = 12$

**b**     $\underline{\quad} + \underline{\quad} = 12$

**c**     $\underline{\quad} + \underline{\quad} = 12$

### 6 Write an equation that could represent this picture.



**Responses will vary. Examples:  
 $4 + 7 = 11$ ,  $4 + 5 + 2 = 11$ ,  $8 + 3 = 11$**

*(continued on next page)*

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**Addition Fact Review** page 2 of 2

- 7** Emma says that she can prove that  $8 + 3 = 7 + 4$ . How could she use a number rack to prove her thinking? Draw a number rack or explain in writing.

**Responses will vary.**

- 8 CHALLENGE** Solve the problem in the easiest way you can. Show your work.  
(Hint: Change the order in which you add the numbers.)

$$60 + 50 + 40 + 70 + 30 =$$

**250**

**Work will vary.**

- 9 CHALLENGE** Sage wants to buy board games for some of her friends. Board games cost \$9 each. She has \$6 and one coupon for \$3 off. Her Aunt Barbara gave her \$7 and another coupon for \$3 off.

- a** How many games can Sage buy if she uses the coupons? Show your work.

**She can buy 2 games. Work will vary. Example:**

$$\$6 + \$7 = \$13 \text{ (total money)}$$

$$\$9 - \$3 = \$6 \text{ (cost per game)}$$

$$\$6 \times \$2 = \$12 \text{ (cost for 2 games)}$$

- b** Will Sage have any money left over? If so, how much? Show your work.

**She will have \$1 left over.**

**Work will vary.**