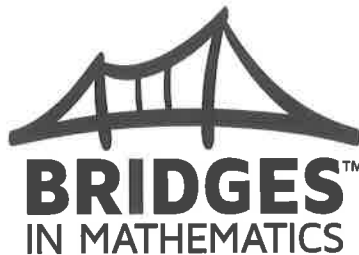




Home Connections

GRADE 3 – UNIT 1 – MODULE 2



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**Addition & Subtraction Review** page 1 of 3**Note to Families**

Students have reviewed and explored addition facts and strategies, and they are now investigating subtraction facts. Naming, categorizing, and identifying strategies will help your child not only understand and solve basic subtraction facts but also solve larger subtraction problems. These strategies help students develop a better understanding of the relationship between numbers and operations. Encourage your child to share with you the fact strategies we have used in the classroom. If your child is having trouble remembering the names of the strategies, the chart at the bottom of page 5 will help.

1 Complete these subtraction facts.

$5 - 2 = \underline{\quad}$

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

$6 - 1 = \underline{\quad}$

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

2 Complete these subtraction facts.

$12 - 6 = \underline{\quad}$

$8 - 4 = \underline{\quad}$

$16 - 8 = \underline{\quad}$

$14 - 7 = \underline{\quad}$

3 What do the facts in Problem 2 have in common?**4** Complete these subtraction facts.

$$\begin{array}{r} 9 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -5 \\ \hline \end{array}$$

5 Complete these subtraction facts.

$19 - 9 = \underline{\quad}$

$12 - 2 = \underline{\quad}$

$17 - 7 = \underline{\quad}$

$14 - 4 = \underline{\quad}$

6 What is the name for facts like those in Problem 5?*(continued on next page)*

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Addition & Subtraction Review page 2 of 3

- 7** There are 13 blue marbles and 7 red marbles in a bag. How many more blue marbles than red marbles are in the bag? Keona says this is a subtraction problem. Tamron says it is an addition problem. What do you think? Why?

- 8** Complete these addition facts.

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

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

$$\begin{array}{r} 10 \\ + 8 \\ \hline \end{array}$$

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

$$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 6 \\ \hline \end{array}$$

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

$$\begin{array}{r} 7 \\ + 8 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$$

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

- 9** Complete each equation with a different pair of numbers whose difference is 6.

a _____ - _____ = 6

b _____ - _____ = 6

(continued on next page)

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Addition & Subtraction Review page 3 of 3

10 Lisa and her dad are peeling apples to make some apples pies. The pies need 14 apples. Lisa and her dad have peeled 5 apples.

a Are there an odd or even number of apples left to peel? How do you know?

b How many apples are left to peel? Show your work.

11 CHALLENGE Lisa has 32 clean dishes to put away after emptying the dishwasher. After she put away 4 dishes, she helped her mother bring groceries in from the car. Then she put away 7 more dishes. How many dishes still need to be put away? Show your work.

Subtraction Strategy	Example
Zero facts	$5 - 0 = 5$, $18 - 0 = 18$
Count Back facts	$9 - 1 = 8$, $7 - 2 = 5$, $14 - 3 = 11$
Take All facts	$6 - 6 = 0$, $15 - 15 = 0$
Take Half facts	$8 - 4 = 4$, $12 - 6 = 6$
Back to Ten facts	$14 - 4 = 10$, $18 - 8 = 10$
Take Away Ten facts	$19 - 10 = 9$, $16 - 10 = 6$
Up to Ten facts	For $17 - 8$, start at 8, add 2 to get to 10, add 7 to get to 17. $2 + 7 = 9$. $17 - 8 = 9$.

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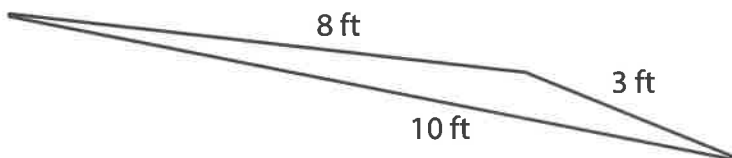
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Of Mice & Moles page 1 of 2

For problems 1–3, show your work using numbers, words, or labeled sketches.

- 1 Xavier watched a mouse walk this path. How far did the mouse travel?



- 2 A mole was burrowing in a field. First, the mole went 6 meters in one direction, then 8 meters in another direction, and then 4 meters in another direction. How far did the mole burrow?

- 3 Charlie T. Mole ate 16 insects. Anabel H. Mole ate 26 insects. How many more insects did Anabel eat?

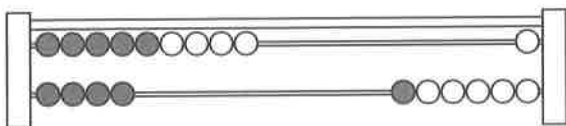


Peter says this is a subtraction problem. Gladys says it is an addition problem. What do you think? Why?

- 4 The difference of two numbers is 7. List three possible equations that have a difference of 7.

$$\underline{\quad} - \underline{\quad} = 7 \qquad \underline{\quad} - \underline{\quad} = 7 \qquad \underline{\quad} - \underline{\quad} = 7$$

- 5 Write an equation that could represent this picture.



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Of Mice & Moles page 2 of 2

- 6 CHALLENGE** Abel S. Mouse searched for food for 28 minutes. He found a snack and spent 10 minutes eating his snack. How much longer did it take Abel S. Mouse to find his snack than it took him to eat it? Which of the following represents this situation?
- $28 + s = 10$ $10 + 28 = s$ $38 - s = 28$ $28 - 10 = s$
- 7** Jana practiced the piano 10 minutes longer than her brother, Grant. Jana practiced for 35 minutes. How long did Grant practice? Show your work.

- 8 CHALLENGE** Lulu practiced the piano for 45 minutes, and then she practiced the violin for 30 minutes.

a How much time did Lulu spend practicing her instruments? Show your work.



b Is that more or less than an hour? How do you know?

c How many minutes more or less than an hour did Lulu practice? Show your work.