

Grade 3 Unit 2 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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Addition & Subtraction: Mixed Review

Story Problems

- 1 Alejandro is making designs with pattern blocks. His first design has 14 pattern blocks. His second design has 8 pattern blocks. How many more blocks are in his first design than in his second design?
 - **a** Solve the problem using numbers, pictures, or words.

- **b** Write an equation for this problem.
- 2 Elizabeth is also making designs with pattern blocks. Her first design has 17 pattern blocks, and her second design has 15 pattern blocks. How many pattern blocks did she use in all?
 - **a** Solve the problem using numbers, pictures, or words.

b Write an equation for this problem.

Repeated Addition

3 Solve the following problems: 5+5+5+5= 3+3+3= 6+6+6+6= 2+2+2+2= 9+9+9= 4+4+4+4=

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Missing Numbers Fill In

1 Fill in the missing numbers in the Make Ten addition facts.

5 + = 10	+ 3 = 10	6 + = 10	10 = + 8
0 + = 10	9 + = 10	10 = + 7	10 = 4 +

2 Fill in the missing numbers in the equations below:

2 + = 4	16 = + 8	6 = 3 +	= 9 + 9
5 += 10	+ 6 = 12	8 = + 4	7 + 7 =

3 Fill in the missing numbers to complete the subtraction facts.

15 	13 <u>- 3</u>	18 9	11 4	16 <u>- 9</u>	<u>- 3</u> 8
 	12 - 3	11 <u>- 2</u>		$\frac{-2}{12}$	

4 CHALLENGE What is one way the equations in problem 2 are alike?

Alexandra's Garden

For each story problem, show your thinking using numbers, sketches, or words.

1 Alexandra has a garden. In her garden, she has 6 daisy plants. Each plant has 3 flowers. How many daisy flowers does Alexandra have?

2 Alexandra also has 5 strawberry plants. Each plant has 6 strawberries on it. How many strawberries does Alexandra have?

3 Alexandra catches ladybugs for her garden because they will eat aphids that eat her plants. Alexandra has a pepper plant with 4 peppers on it. Each pepper has 4 ladybugs on it. How many ladybugs are on the pepper plant?

4 Solve the following problems:

7 + 7 + 7 + 7 = _____ 6 + 6 + 6 = _____ 9 + 9 + 9 + 9 + 9 = _____

5 CHALLENGE Write a multiplication equation to represent one of the problems above.

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1 Complete the following problems. Show your work using pictures, numbers, or words.

3 + 3 + 3 + 3 =	5 + 5 + 5 + 5 + 5 =	6 + 6 + 6 + 6 =

2 How many apples are in the box? How do you know?



3 How many lemons are in the box? How do you know?



4 How many oranges are in the boxes below? How do you know?



5 In the set of stamps below, each stamp costs the same. Decide how much the stamps should cost. Then, find out how much the entire set of stamps cost. Show your work.



6 CHALLENGE Now make up your own set of stamps. Decide how many stamps you want, how they should be arranged, and how much they cost in all. Show your work.

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NAME

If You Bake a Cupcake for a Kid ...

Complete the following problems. Show your work using numbers, sketches, or words.

- 1 Mrs. Biddle made some cupcakes for her 3 children. She made 2 cupcakes for each child. How many cupcakes did Mrs. Biddle make?
- **2** Then Mrs. Biddle's 3 children all wanted to bring cupcakes to their friends. Mrs. Biddle made 12 more cupcakes. If each child got the same amount of cupcakes, how many cupcakes could each child share?
- **3** Next, Mrs. Biddle's 3 children wanted to bring cupcakes to their classes at school. If each child had 20 students in their class, how many cupcakes does Mrs. Biddle need to make?
- **4** One large tray of cupcakes has 4 times as many cupcakes as another tray, which has 20 cupcakes on it. Which equation describes this situation?
 - $\bigcirc 20-4=c \qquad \bigcirc 4\times c=20 \qquad \bigcirc c+4=20 \qquad \bigcirc 20\times 4=c$
- **5** Mrs. Biddle's daughter, Flora, brought a tray of cupcakes to school. The tray had a 4-by-6 array of cupcakes. On the way to school, Flora tripped, and 4 cupcakes fell into a mud puddle. The rest of the cupcakes stayed on the tray. How many cupcakes are still on the tray?

The Pet Store page 1 of 2

Note to Family

At school, we have started looking for efficient ways to find the total number of items in a group. We studied a picture of a pet store that was full of packages and containers. We worked to figure out how many items were in each package and then how many were in all the packages together. Sometimes, the arrangement of items was helpful—for example, a package of cat food had 2 rows of cans with 5 cans in each one. This made it easier to count by 2s or 5s to find the total. Watch how your child makes use of each of the arrangements in this assignment to help find the total.

Use the pictures to find the total for each problem below. Show your thinking with numbers, sketches, or words.

ex How many cans of dog food are there? How do you know?



1 How many cans of cat food are there? How do you know?



2 How many balls are there in all? How do you know?



3 How many chew toys are there? How do you know?



(continued on next page)

The Pet Store page 2 of 2

4 Fill in the blanks.

17 – 8 =	6 + 7 =	13 – 9 =
3 + = 10	16 – = 8	5 + = 15
4 + 4 + 4 + 4 =	8 + 8 + 8 =	6 + 6 + 6 =

- 5 CHALLENGE Molly's kitten weighed 3 pounds when she got her. Now the kitten has gained 4 pounds, and Molly's dog weighs 4 times as much as her kitten.
 - How many pounds does the kitten weigh now? a Write equations to show your thinking.

b How many pounds does the dog weigh? Write equations to show your thinking.



Stamp Challenges page 1 of 2

Use the images to find the total for each problem below. Show your thinking with numbers, sketches, or words.

ex How many stamps do you see? What is the total cost of the stamps?



1 How many stamps do you see? What is the total cost of the stamps?

<u>4</u> ¢	<u>4</u> ¢	4¢	<u></u> 4¢
<u>4</u> ¢	4¢	4¢	4 ¢
<u>4</u> ¢	4 ¢	4¢	4 ¢

2 How many stamps do you see? What is the total cost of the stamps?

3°	3°	3°	3°	3°
<u>3</u> ¢	<u>3</u> ¢	<u>3</u> ¢	3°	$\overline{3^{c}}$

(continued on next page)

Stamp Challenges page 2 of 2

3 How many stamps do you see? What is the total cost of the stamps?



- **4** Explain your thinking with sketches, words, and equations.
 - **a** Stevie has 4 cards with 8 stamps on each card. Cindy has 8 cards with 4 stamps on each card. Who has more stamps, Stevie or Cindy?

b CHALLENGE Liz bought sixteen 3¢ stamps and used them to mail two letters to her grandparents. If each letter used the same number of stamps, how much did it cost to mail each letter?

C CHALLENGE Create a new set of stamps. Decide how many stamps you want in the array and how much each stamp costs. (They should all cost the same amount.) Then find the total cost of the stamps.

Leaves & Flower Petals page 1 of 2

Answer each question below. Write an addition or multiplication equation to show how you figured it out.

	Answer the question.	Write an equation.
ех		2 + 2 + 2 = 6 or
	There are 3 flowers. How many <i>leaves</i> ?	3 × 2 = 6
	0	
1	There are 3 flowers. How many <i>petals</i> ?	
	7.1	
2	E E	
	Ê Ê Ê Ê Ê	
	There are 7 flowers. How many <i>leaves</i> ?	
3	Ê Ê Ê Ê Ê	
	There are 4 flowers. How many <i>petals</i> ?	

NAME

Leaves & Flower Petals page 2 of 2

Complete the following problems. Show your work using numbers, sketches, or words.

4 Mrs. Foley picked 27 flowers from her garden so her 3 children could each give a bouquet to their teachers. If each bouquet had the same number of flowers, how many flowers did each teacher get?

5 Which equation describes the situation in problem 4 above?

\bigcirc	27 + 3 = n	3 3	$\times n = 27$	\bigcirc	n + 3 = 27	\bigcirc	$27 \times 3 = n$
		-		-		-	

6 CHALLENGE Terry had 14 tulips and twice as many daffodils. How many flowers did Terry have in all?



Answer Keys

Addition & Subtraction: Mixed Review

Story Problems

1 Alejandro is making designs with pattern blocks. His first design has 14 pattern blocks. His second design has 8 pattern blocks. How many more blocks are in his first design than in his second design?



- 2 Elizabeth is also making designs with pattern blocks. Her first design has 17 pattern blocks, and her second design has 15 pattern blocks. How many pattern blocks did she use in all?
- a Solve the problem using numbers, pictures, or words. 32 blocks. Work will vary. Example: $10 + 10 = 20 \stackrel{17}{\underline{\smash{\smash{+15}}}} 7 + 5 = 12$ b Write an equation for this problem. 17 + 15 = 32Repeated Addition

3 Solve the following problems: 5+5+5+5=25 3+3+3=9 6+6+6+6=242+2+2+2=8 9+9+9=27 4+4+4+4=20

Missing Numbers Fill In

- **1** Fill in the missing numbers in the Make Ten addition facts.
 - $5 + \underline{5} = 10 \qquad \underline{7} + 3 = 10 \qquad 6 + \underline{4} = 10 \qquad 10 = \underline{2} + 8$ $0 + \underline{10} = 10 \qquad 9 + \underline{1} = 10 \qquad 10 = \underline{3} + 7 \qquad 10 = 4 + \underline{6}$
- **2** Fill in the missing numbers in the equations below:
 - $2 + \underline{2} = 4 \qquad 16 = \underline{8} + 8 \qquad 6 = 3 + \underline{3} \qquad \underline{18} = 9 + 9$ $5 + \underline{5} = 10 \qquad \underline{6} + 6 = 12 \qquad 8 = \underline{4} + 4 \qquad 7 + 7 = \underline{14}$
- **3** Fill in the missing numbers to complete the subtraction facts.



4 CHALLENGE What is one way the equations in problem 2 are alike? Responses will vary. Example: They are all doubles.

Alexandra's Garden

For each story problem, show your thinking using numbers, sketches, or words.

1 Alexandra has a garden. In her garden, she has 6 daisy plants. Each plant has 3 flowers. How many daisy flowers does Alexandra have?



2 Alexandra also has 5 strawberry plants. Each plant has 6 strawberries on it. How many strawberries does Alexandra have?

30 strawberries. Work will vary. Example:



3 Alexandra catches ladybugs for her garden because they will eat aphids that eat her plants. Alexandra has a pepper plant with 4 peppers on it. Each pepper has 4 ladybugs on it. How many ladybugs are on the pepper plant?

16 ladybugs. Work will vary. Example:



4 + 4 + 4 + 4 = 8 + 8 = 16

4 Solve the following problems:

7 + 7 + 7 + 7 =**28** 6 + 6 + 6 =**18** 9 + 9 + 9 + 9 + 9 =**45**

5 **CHALLENGE** Write a multiplication equation to represent one of the problems above. Equations will vary. Example: $5 \times 9 = 45$



1 Complete the following problems. Show your work using pictures, numbers, or words.



2 How many apples are in the box? How do you know?



9 apples Explanations will vary. Example: Because there are 3 rows of 3 and 3 threes is 9.

3 How many lemons are in the box? How do you know?



20 lemons Explanations will vary. Example: 4 columns of 5 is 5, 10, 15, 20.

4 How many oranges are in the boxes below? How do you know?



12 oranges Explanations will vary. Example: 2 boxes of 6 is 12.

5 In the set of stamps below, each stamp costs the same. Decide how much the stamps should cost. Then, find out how much the entire set of stamps cost. Show your work.



Answers and work will vary. Example: 5¢ each, so 15¢ for 1 row, 15 + 15 = 30 and 30 + 15 = 45¢

6 CHALLENGE Now make up your own set of stamps. Decide how many stamps you want, how they should be arranged, and how much they cost in all. Show your work.
Answers and work will vary.

🖾 If You Bake a Cupcake for a Kid ...

Complete the following problems. Show your work using numbers, sketches, or words.

1 Mrs. Biddle made some cupcakes for her 3 children. She made 2 cupcakes for each child. How many cupcakes did Mrs. Biddle make?

6 cupcakes Work will vary.

2 Then Mrs. Biddle's 3 children all wanted to bring cupcakes to their friends. Mrs. Biddle made 12 more cupcakes. If each child got the same amount of cupcakes, how many cupcakes could each child share?

4 cupcakes Work will vary.

3 Next, Mrs. Biddle's 3 children wanted to bring cupcakes to their classes at school. If each child had 20 students in their class, how many cupcakes does Mrs. Biddle need to make?

60 cupcakes Work will vary.

- **4** One large tray of cupcakes has 4 times as many cupcakes as another tray, which has 20 cupcakes on it. Which equation describes this situation?
 - $\bigcirc 20-4=c \qquad \bigcirc 4\times c=20 \qquad \bigcirc c+4=20 \qquad \bigcirc 20\times 4=c$
- **5** Mrs. Biddle's daughter, Flora, brought a tray of cupcakes to school. The tray had a 4-by-6 array of cupcakes. On the way to school, Flora tripped, and 4 cupcakes fell into a mud puddle. The rest of the cupcakes stayed on the tray. How many cupcakes are still on the tray?

20 cupcakes Work will vary.

The Pet Store page 1 of 2

Note to Family

At school, we have started looking for efficient ways to find the total number of items in a group. We studied a picture of a pet store that was full of packages and containers. We worked to figure out how many items were in each package and then how many were in all the packages together. Sometimes, the arrangement of items was helpful—for example, a package of cat food had 2 rows of cans with 5 cans in each one. This made it easier to count by 2s or 5s to find the total. Watch how your child makes use of each of the arrangements in this assignment to help find the total.

Use the pictures to find the total for each problem below. Show your thinking with numbers, sketches, or words.

ex How many cans of dog food are there? How do you know?





4 + 4 =

14 cans Explanations will vary.

2 How many balls are there in all? How do you know?



12 balls Explanations will vary.

15 chew toys

Explanations will vary.

3 How many chew toys are there? How do you know?



(continued on next page)





Unit 2 Module 1 Session 2		Answer Key
NAME		DATE
The Pet Store page 2 of 2		
4 Fill in the blanks.		
17 - 8 =9	6 + 7 = 13	13 – 9 =
3 + 7 = 10	16 – <u>8</u> = 8	5 + 10 = 15
4 + 4 + 4 + 4 = 16	8 + 8 + 8 = 24	6 + 6 + 6 = 18

- 5 CHALLENGE Molly's kitten weighed 3 pounds when she got her. Now the kitten has gained 4 pounds, and Molly's dog weighs 4 times as much as her kitten.
 - How many pounds does the kitten weigh now? a Write equations to show your thinking.

Unit 2 Module 1 Session 2

The kitten weighs 7 pounds. Work will vary. Example: 3 + 4 = 7 pounds

b How many pounds does the dog weigh? Write equations to show your thinking.

> The dog weighs 28 pounds. Work will vary. Example: $7 \times 4 = 28$ pounds



Stamp Challenges page 1 of 2

Use the images to find the total for each problem below. Show your thinking with numbers, sketches, or words.

ex How many stamps do you see? What is the total cost of the stamps?



1 How many stamps do you see? What is the total cost of the stamps?

4 ¢	4°	4^{c}	4°
4¢	4^{c}	4^{c}	4 ¢
4^{c}	4 ¢	4^{c}	4 ¢

12 stamps 48¢ Work will vary.

2 How many stamps do you see? What is the total cost of the stamps?

3°	3°	3°	3 ¢	3°
3°	3°	3°	3°	3 ¢

10 stamps 30¢ Work will vary.

(continued on next page)



Stamp Challenges page 2 of 2

3 How many stamps do you see? What is the total cost of the stamps?



10 stamps 60¢ Work will vary.

- **4** Explain your thinking with sketches, words, and equations.
 - **a** Stevie has 4 cards with 8 stamps on each card. Cindy has 8 cards with 4 stamps on each card. Who has more stamps, Stevie or Cindy?

They have the same number of stamps. They each have 32 stamps. Work may vary.

b CHALLENGE Liz bought sixteen 3¢ stamps and used them to mail two letters to her grandparents. If each letter used the same number of stamps, how much did it cost to mail each letter?

24¢ Work may vary.

C CHALLENGE Create a new set of stamps. Decide how many stamps you want in the array and how much each stamp costs. (They should all cost the same amount.) Then find the total cost of the stamps.

Responses will vary.

Leaves & Flower Petals page 1 of 2

Answer each question below. Write an addition or multiplication equation to show how you figured it out.

	Answer the question.	Write an equation.
ех		2 + 2 + 2 = 6 or
	There are 3 flowers. How many <i>leaves?</i> 6	3 × 2 = 6
1	There are 3 flowers. How many <i>petals</i> ?	5 + 5 + 5 = 15 or $3 \times 5 = 15$
	15	
2	\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$	2 + 2 + 2 + 2 + 2 + 2 + 2 = 14 or $7 \times 2 = 14$
	There are 7 flowers. How many <i>leaves</i> ? 14	
3	There are 4 flowers. How many <i>petals</i> ?	5 + 5 + 5 + 5 = 20 or $4 \times 5 = 20$
	20	F arana la calcara
Equations will vary. Examples above.		

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Leaves & Flower Petals page 2 of 2

Complete the following problems. Show your work using numbers, sketches, or words.

4 Mrs. Foley picked 27 flowers from her garden so her 3 children could each give a bouquet to their teachers. If each bouquet had the same number of flowers, how many flowers did each teacher get?

Each teacher got 9 flowers. Work will vary.

- **5** Which equation describes the situation in problem 4 above?
 - $\bigcirc 27 + 3 = n$ $\bigcirc 3 \times n = 27$ $\bigcirc n + 3 = 27$ $\bigcirc 27 \times 3 = n$
- **6 CHALLENGE** Terry had 14 tulips and twice as many daffodils. How many flowers did Terry have in all?

Terry has 42 flowers. Work will vary.

