Grade 3 Unit 3 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.

NAME _____ | DATE _____

Multiplication & Division Fact Families

1 The fact family that belongs with each array is missing an equation. Write the missing equation for each fact family.

ex
$3 \times 4 = 12$
$\underline{4} \times \underline{3} = \underline{12}$
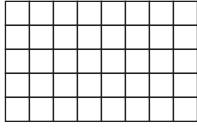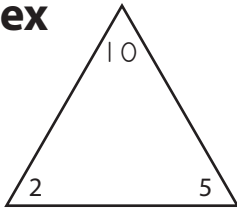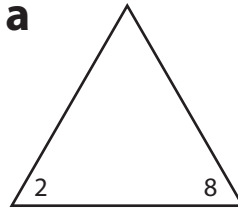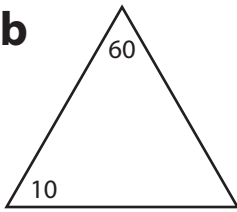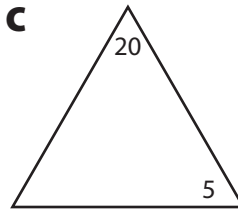$12 \div 3 = 4$
$12 \div 4 = 3$

a
$10 \times 3 = 30$
$\underline{} \times \underline{} = \underline{}$
$30 \div 3 = 10$
$30 \div 10 = 3$

b
$2 \times 9 = 18$
$\underline{} \times \underline{} = \underline{}$
$18 \div 2 = 9$
$18 \div 9 = 2$

c
$5 \times 8 = 40$
$8 \times 5 = 40$
$\underline{} \div \underline{} = \underline{}$
$40 \div 8 = 5$

2 Fill in the missing number in each triangle and then write the fact family.

ex
$\underline{2} \times \underline{5} = \underline{10}$
$\underline{5} \times \underline{2} = \underline{10}$
$\underline{10} \div \underline{2} = \underline{5}$
$\underline{10} \div \underline{5} = \underline{2}$

a
$\underline{} \times \underline{} = \underline{}$
$\underline{} \times \underline{} = \underline{}$
$\underline{} \div \underline{} = \underline{}$
$\underline{} \div \underline{} = \underline{}$

b
$\underline{} \times \underline{} = \underline{}$
$\underline{} \times \underline{} = \underline{}$
$\underline{} \div \underline{} = \underline{}$
$\underline{} \div \underline{} = \underline{}$

c
$\underline{} \times \underline{} = \underline{}$
$\underline{} \times \underline{} = \underline{}$
$\underline{} \div \underline{} = \underline{}$
$\underline{} \div \underline{} = \underline{}$

NAME _____ | **DATE** _____

Write & Solve Your Own Problems

Fill in the blanks with words that make sense and seem interesting. Solve each problem. Show your work.

Fill in the blanks.	Work space
1 Sara has 35 _____ in her top drawer. She has 28 _____ in her bottom drawer. How many are there in all? _____	
2 Tim spent 26 dollars for a _____. He spent 18 dollars for a _____. How much did he spend in all? _____	
3 Isabel had 74 _____. She gave 26 of them to a friend. How many did she have left? _____	
4 Juan baked 4 dozen _____. The dog ate 19 of them. How many are left? _____	
5 We saw 102 _____. Then 24 of them flew away. How many were left? _____	

NAME _____ | **DATE** _____

🔲 Rounding

1 Round these numbers to the nearest ten.

26 →   73 →   148 →   57 →   261 →

82 →   35 →   912 →   2,179 →   444 →

2 Round these numbers to the nearest hundred.

360 →   452 →   720 →   112 →   680 →

1,241 →   870 →   2,550 →   327 →   5,173 →

3 Round these numbers.

	to the nearest ten	to the nearest hundred
314		
5,238		
461		
7,786		
529		
8,683		

4 Solve the following problems.

$7 \times 6 =$ _____   _____ $\times 6 = 24$ $9 \times$ _____ $= 63$

$2 \times 9 = 3 \times$ _____ $2 \times 8 =$ _____ $6 \times$ _____ $= 3 \times 10$

Multiplying & Dividing page 1 of 2

1 Complete the multiplication facts.

5	2	1	5	3	8	5
× 6	× 7	× 2	× 7	× 5	× 5	× 9

4	5	9	2	10	10	4
× 2	× 2	× 2	× 5	× 3	× 5	× 6

10	1	2	7	6	10	3
× 0	× 8	× 3	× 4	× 6	× 8	× 9

2 Complete the division facts.

$100 ÷ 10 =$ _____ $16 ÷ 2 =$ _____ $25 ÷ 5 =$ _____

$12 ÷ 2 =$ _____ $3 ÷ 1 =$ _____ $20 ÷ 2 =$ _____

3 **CHALLENGE** Use what you know about basic fact strategies to solve these multiplication problems.

24	42	329	13	1,946	500	25
× 5	× 5	× 0	× 10	× 1	× 2	× 6

4 **a** Would the product of 3,407 × 10 be odd or even? _____

b How do you know?

(continued on next page)

Multiplying & Dividing page 2 of 2

5 Will is helping his mom get ready for a party. His mom wants Will to put flowers in jars to put on the tables. He needs to put 7 flowers in each jar. He has 45 flowers.

a How many jars can he fill? Show all your work.

b How many flowers did Will have left over?

6 Mai is buying gifts for her 4 friends. She wants to get each friend a bracelet that costs $4 and a mechanical pencil that costs $3.

a How much money will she spend in all? Show all your work.

b Write an equation to represent this problem. Use the letter *m* to stand for the amount of money Mai spent in all.
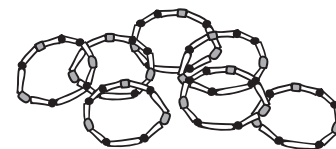
7 **CHALLENGE** Mai changed her mind and decided to get each of her 4 friends a comic book that cost $3.99 and an eraser that cost 99¢. How much money did she spend in all? Show all of your work.

NAME _____ | DATE _____

🏠 Rounding to the Nearest Ten page 1 of 2

You can use a number line to help round to the nearest ten. If a number is closer to the next larger multiple of 10, round up. If it is closer to the next smaller multiple of 10, round down.

If the digit in the ones place is 5 or higher, round up. If the digit in the ones place is less than 5, round down.

ex Round 127 to the nearest ten. Use the number line to help.
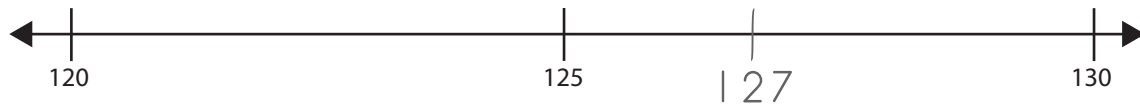
127 _130_

1 Round each number to the nearest ten. Use the number line to help.
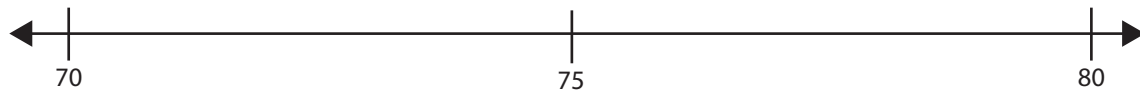
a 78 _____   **b** 75 _____   **c** 74 _____

2 Round each number to the nearest ten. Use the number line to help.

a 267 _____   **b** 262 _____   **c** 265 _____

3 Round each number to the nearest ten. (Look at the digit in the ones place. Think about a number line if it helps you.)

a 43 _____   **b** 85 _____   **c** 18 _____

d 282 _____   **e** 617 _____   **f** 539 _____

(continued on next page)

NAME | DATE

Rounding to the Nearest Ten page 2 of 2

4 The third and fourth graders at Fernwood School are going on a field trip. They will fill 3 school buses. Each bus holds 52 passengers. How many people will be going on the field trip? Show your work.
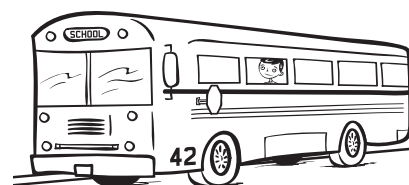
5 **CHALLENGE** Mr. Kelly bought 8 dozen hot dogs for the third grade picnic. His pet dog broke into the groceries and ate 14 hot dogs. If each picnic guest eats one hot dog, how many people can still have a hot dog? Show your work.

NAME _____ | DATE _____

🏠 Round & Round page 1 of 2

1 Rounding numbers can help you make good estimates. Round each pair of numbers to the nearest ten and then add the rounded numbers to estimate the sum.

Numbers to Add	Rounded to the Nearest Ten	Estimated Sum
ex 237 + 349	240 + 350	240 + 350 590

The sum of 237 and 349 is about equal to __590__.

Numbers to Add	Rounded to the Nearest Ten	Estimated Sum
a 168 + 122		

The sum of 168 and 122 is about equal to _____.

Numbers to Add	Rounded to the Nearest Ten	Estimated Sum
b 147 + 618		

The sum of 147 and 618 is about equal to _____.

2 Estimate for each story problem below. Explain your estimation using numbers, sketches, or words.

a Ravi likes to ride on the merry-go-round. Each ride lasts for 49 seconds. If Ravi takes 2 rides, about how long does he spend on the merry-go-round?

b Each ride on the merry-go-round costs 97 cents. If Ravi rides the merry-go-round 4 times, about how much does he have to pay?

(continued on next page)

Round & Round page 2 of 2

Show all your work when you solve these story problems.

3 Midge is a tiger shark and Bruce is a great white shark. Midge is 396 centimeters long and Bruce is 609 centimeters long. How many centimeters longer is Bruce than Midge?

4 Which equation does NOT describe the situation in problem 3?

○ 609 − 396 = c   ○ 396 + 609 = c

○ 396 + c = 609   ○ 609 − c = 396

5 CHALLENGE The greater roadrunner (a bird that runs better than it flies) can run 16 miles per hour. A frightened ostrich can run 3 times faster.

a How fast can a frightened ostrich run?

b How far can a frightened ostrich run in half an hour?

c Fill in the boxes to complete an equation to represent problem 5b.

$$16 \times \boxed{} \div \boxed{} = m$$
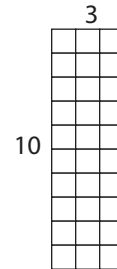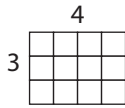
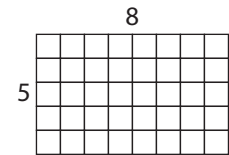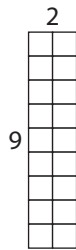# Answer Keys

NAME | **DATE**

Multiplication & Division Fact Families

1 The fact family that belongs with each array is missing an equation. Write the missing equation for each fact family.

ex
$3 \times 4 = 12$
$\underline{4} \times \underline{3} = \underline{12}$
$12 \div 3 = 4$
$12 \div 4 = 3$

a
$10 \times 3 = 30$
$\underline{3} \times \underline{10} = \underline{30}$
$30 \div 3 = 10$
$30 \div 10 = 3$

b
$2 \times 9 = 18$
$\underline{9} \times \underline{2} = \underline{18}$
$18 \div 2 = 9$
$18 \div 9 = 2$

c
$5 \times 8 = 40$
$8 \times 5 = 40$
$\underline{40} \div \underline{5} = \underline{8}$
$40 \div 8 = 5$

2 Fill in the missing number in each triangle and then write the fact family.

ex (triangle: 10, 2, 5)
$\underline{2} \times \underline{5} = \underline{10}$
$\underline{5} \times \underline{2} = \underline{10}$
$\underline{10} \div \underline{2} = \underline{5}$
$\underline{10} \div \underline{5} = \underline{2}$

a (triangle: 16, 2, 8)
$\underline{2} \times \underline{8} = \underline{16}$
$\underline{8} \times \underline{2} = \underline{16}$
$\underline{16} \div \underline{2} = \underline{8}$
$\underline{16} \div \underline{8} = \underline{2}$

b (triangle: 60, 10, 6)
$\underline{10} \times \underline{6} = \underline{60}$
$\underline{6} \times \underline{10} = \underline{60}$
$\underline{60} \div \underline{6} = \underline{10}$
$\underline{60} \div \underline{10} = \underline{6}$

c (triangle: 20, 4, 5)
$\underline{4} \times \underline{5} = \underline{20}$
$\underline{5} \times \underline{4} = \underline{20}$
$\underline{20} \div \underline{4} = \underline{5}$
$\underline{20} \div \underline{5} = \underline{4}$

NAME _____ | **DATE** _____

📐 Write & Solve Your Own Problems

Fill in the blanks with words that make sense and seem interesting. Solve each problem. Show your work.

Fill in the blanks.	Work space
1 Sara has 35 _____ in her top drawer. She has 28 _____ in her bottom drawer. How many are there in all? __**63**__	**Student problems and work will vary. Numeric answers shown.**
2 Tim spent 26 dollars for a _____. He spent 18 dollars for a _____. How much did he spend in all? __**$44**__	
3 Isabel had 74 _____. She gave 26 of them to a friend. How many did she have left? __**48**__	
4 Juan baked 4 dozen _____. The dog ate 19 of them. How many are left? __**29**__	
5 We saw 102 _____. Then 24 of them flew away. How many were left? __**78**__	

NAME | **DATE**

Rounding

1 Round these numbers to the nearest ten.

26 → **30**   73 → **70**   148 → **150**   57 → **60**   261 → **260**

82 → **80**   35 → **40**   912 → **910**   2,179 → **2,180**   444 → **440**

2 Round these numbers to the nearest hundred.

360 → **400**   452 → **500**   720 → **700**   112 → **100**   680 → **700**

1,241 → **1,200**   870 → **900**   2,550 → **2,600**   327 → **300**   5,173 → **5,200**

3 Round these numbers.

	to the nearest ten	to the nearest hundred
314	**310**	**300**
5,238	**5,240**	**5,200**
461	**460**	**500**
7,786	**7,790**	**7,800**
529	**530**	**500**
8,683	**8,680**	**8,700**

4 Solve the following problems.

$7 \times 6 =$ **42**   **4** $\times 6 = 24$ $9 \times$ **7** $= 63$

$2 \times 9 = 3 \times$ **6** $2 \times 8 =$ **16** $6 \times$ **5** $= 3 \times 10$

NAME _____ | DATE _____

🏠 Multiplying & Dividing page 1 of 2

1 Complete the multiplication facts.

5	2	1	5	3	8	5
× 6	× 7	× 2	× 7	× 5	× 5	× 9
30	**14**	**2**	**35**	**15**	**40**	**45**

4	5	9	2	10	10	4
× 2	× 2	× 2	× 5	× 3	× 5	× 6
8	**10**	**18**	**10**	**30**	**50**	**24**

10	1	2	7	6	10	3
× 0	× 8	× 3	× 4	× 6	× 8	× 9
0	**8**	**6**	**28**	**36**	**80**	**27**

2 Complete the division facts.

$100 \div 10 =$ ___**10**___ $16 \div 2 =$ ___**8**___ $25 \div 5 =$ ___**5**___

$12 \div 2 =$ ___**6**___ $3 \div 1 =$ ___**3**___ $20 \div 2 =$ ___**10**___

3 <u>CHALLENGE</u> Use what you know about basic fact strategies to solve these multiplication problems.

24	42	329	13	1,946	500	25
× 5	× 5	× 0	× 10	× 1	× 2	× 6
120	**210**	**0**	**130**	**1,946**	**1,000**	**150**

4 a Would the product of 3,407 × 10 be odd or even? _____**even**_____

b How do you know?
Explanations will vary. Examples:
• The product of any odd number and any even number is always even.
• The product is 34,070. All whole numbers with a zero in the ones place are even.

(continued on next page)

Multiplying & Dividing page 2 of 2

5 Will is helping his mom get ready for a party. His mom wants Will to put flowers in jars to put on the tables. He needs to put 7 flowers in each jar. He has 45 flowers.

a How many jars can he fill? Show all your work.

6 jars
Work will vary.

b How many flowers did Will have left over?

Will has 3 flowers left over.

6 Mai is buying gifts for her 4 friends. She wants to get each friend a bracelet that costs $4 and a mechanical pencil that costs $3.

a How much money will she spend in all? Show all your work.

$28
Work will vary.

b Write an equation to represent this problem. Use the letter m to stand for the amount of money Mai spent in all.

Equations will vary.
Example: $(4 + 3) \times 4 = m$
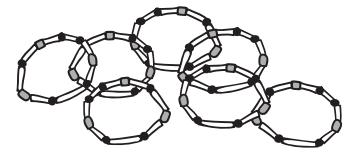
7 **CHALLENGE** Mai changed her mind and decided to get each of her 4 friends a comic book that cost $3.99 and an eraser that cost 99¢. How much money did she spend in all? Show all of your work.

$19.92
Work will vary.

NAME _____ | DATE _____

🏠 **Rounding to the Nearest Ten** page 1 of 2

You can use a number line to help round to the nearest ten. If a number is closer to the next larger multiple of 10, round up. If it is closer to the next smaller multiple of 10, round down.
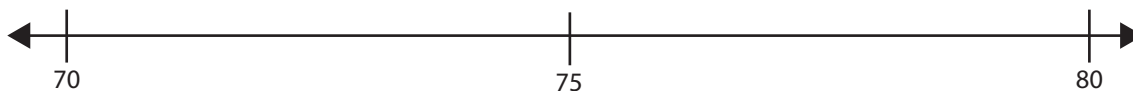
If the digit in the ones place is 5 or higher, round up. If the digit in the ones place is less than 5, round down.

ex Round 127 to the nearest ten. Use the number line to help.

120   125   127   130

127 __130__

1 Round each number to the nearest ten. Use the number line to help.

70   75   80
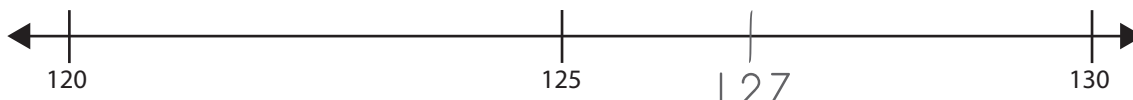
a 78 __**80**__   **b** 75 __**80**__   **c** 74 __**70**__

2 Round each number to the nearest ten. Use the number line to help.

260   265   270

a 267 __**270**__   **b** 262 __**260**__   **c** 265 __**270**__

3 Round each number to the nearest ten. (Look at the digit in the ones place. Think about a number line if it helps you.)

a 43 __**40**__   **b** 85 __**90**__   **c** 18 __**20**__

d 282 __**280**__   **e** 617 __**620**__   **f** 539 __**540**__

(continued on next page)

NAME | DATE
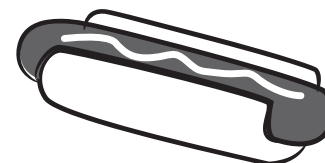
Rounding to the Nearest Ten page 2 of 2

4   The third and fourth graders at Fernwood School are going on a field trip. They will
fill 3 school buses. Each bus holds 52 passengers. How many people will be going on
the field trip? Show your work.

<div align="center">

156 people
Work will vary.

</div>

5   **CHALLENGE** Mr. Kelly bought 8 dozen hot dogs for the third grade picnic. His pet
dog broke into the groceries and ate 14 hot dogs. If each picnic guest eats one hot
dog, how many people can still have a hot dog? Show your work.

<div align="center">

82 people
Work will vary.

</div>

NAME | DATE

🏠 Round & Round page 1 of 2

1 Rounding numbers can help you make good estimates. Round each pair of numbers to the nearest ten and then add the rounded numbers to estimate the sum.

Numbers to Add	Rounded to the Nearest Ten	Estimated Sum
ex 237 + 349	240 + 350	240 + 350 590

The sum of 237 and 349 is about equal to __590__.

Numbers to Add	Rounded to the Nearest Ten	Estimated Sum
a 168 + 122	**170 + 120**	**170 +120 290**

The sum of 168 and 122 is about equal to __**290**__.

Numbers to Add	Rounded to the Nearest Ten	Estimated Sum
b 147 + 618	**150 + 620**	**150 +620 770**

The sum of 147 and 618 is about equal to __**770**__.

2 Estimate for each story problem below. Explain your estimation using numbers, sketches, or words.

a Ravi likes to ride on the merry-go-round. Each ride lasts for 49 seconds. If Ravi takes 2 rides, about how long does he spend on the merry-go-round?

About 100 seconds
Work will vary.

b Each ride on the merry-go-round costs 97 cents. If Ravi rides the merry-go-round 4 times, about how much does he have to pay?

About $4
Work will vary.

(continued on next page)

NAME | DATE

Round & Round page 2 of 2

Show all your work when you solve these story problems.

3 Midge is a tiger shark and Bruce is a great white shark. Midge is 396 centimeters long and Bruce is 609 centimeters long. How many centimeters longer is Bruce than Midge?

213 cm
Work will vary.

4 Which equation does NOT describe the situation in problem 3?

- ○ 609 − 396 = c
- ● 396 + 609 = c
- ○ 396 + c = 609
- ○ 609 − c = 396

5 CHALLENGE The greater roadrunner (a bird that runs better than it flies) can run 16 miles per hour. A frightened ostrich can run 3 times faster.

a How fast can a frightened ostrich run?

48 miles per hour
Student work wil vary.

b How far can a frightened ostrich run in half an hour?

24 miles
Work will vary.

c Fill in the boxes to complete an equation to represent problem 5b.

$16 \times$ **3** $\div$ **2** $= m$