Grade 4 Unit 3 Week 3

Parents: Please help your child choose the most appropriate assignment(s) to complete each day. When the day's assignment is done, students finish the two reflection statements on this page.

Please note Extra Practice activities are on-level for the grade level. Re-Engage activities give students additional support.

Special Education students should use the Re-Engage lessons as shown in the weekly plans.

	Monday	Tuesday	Wednesday	Thursday	Friday
Topic	Multiply to find products of 10.	Multiply to find products of 10.	Divide using an area model without remainders.	Divide using an area model with remainders.	Divide using an area model with and without remainders.
Assignment	Unit 3 Lesson 1 Re-Engage Extra Practice	Unit 3 Lesson 2 Re-Engage Homework	Unit 3 Lesson 8 Re-Engage Extra Practice	Unit 3 Lesson 9 Re-Engage Homework	Unit 3 Lesson 10 Re-Engage Homework
Video link	Unit 3 Lesson 1 English Spanish	Unit 3 Lesson 2 English Spanish	Unit 3 Lesson 8 <u>English</u> <u>Spanish</u>	Unit 3 Lesson 9 English Spanish	Unit 3 Lesson 10 <u>English</u> <u>Spanish</u>
Fluency Practice	Fluency Check Multiplication (2s) (Version A or B)	Fluency Check Multiplication (3s) (Version A or B)	Fluency Check Multiplication (4s) (Version A or B)	Fluency Check Multiplication (5s) (Version A or B)	Fluency Check Multiplication (6s) (Version A or B)
Reflection	One thing I was successful with is One thing I need more help with is	One thing I was successful with is One thing I was successful with is		One thing I was successful with is One thing I need more help with is	One thing I was successful with is One thing I need more help with is

Find this packet on swunmath.com. Click on the hyperlinks to jump to the lesson videos.

Unit 3 Lesson 1: Multiplication: Products of 10



Name: _____

ate: _____

Model

Multiply using base ten blocks. Fill in the table.

$$2 \times 1 =$$
 $2 \times 10 =$
 $2 \times 100 =$
 $2 \times 1000 =$
 $2 \times 1,0000 =$

	THOUSANDS PERIOD			ONES PERIOD		
	н т о			Н	T	0
Starting number						2
2 × 10					2	0
2 × 100				2	0	0
2 × 1,000			2	0	0	0

Structured Guided Practice

Directions: Multiply using base ten blocks. Fill in the table.

1.

$$4 \times 1 =$$
 $4 \times 10 =$
 $4 \times 100 =$
 4×100

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number						4
4 × 10						

2.

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number						6
3 × 20						

Unit 3 Lesson 1: Multiplication: Products of 10



Student Practice

Directions: Multiply using base ten blocks. Fill in the table.

1. 3 × 3 =	• • •	=	9
3 × 30 =	$\Pi\Pi$ $\Pi\Pi$ $\Pi\Pi$	=	
3 × 300 =		=	
3 × 3,000 =	0 0 0 0 0 0 0 0 0	=	

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number						9
3 × 30						

2. 5 × 1 =	• • • •	=	5
5 × 10 =	Ш	=	
5 × 100 =		=	
5 × 1,000 =	00000	=	

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number						5
5 × 10						

3 . 6 × 2 =	• • • • •	=	12
6 × 20 =		=	
6 × 200 =		=	
6 × 2,000 =	00 00 00 00 00 00	=	

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number				·	1	2
3 × 20						

Unit 3 Lessons 1-2: Multiplication: Products of 10



Directions: Solve.

1. Choose the number that has the digit 3 with a value that is 100 times more than the value of the digit 3 in this number.

24,359

- a. 324,359
- b. 43,579
- c. 35,612
- d. 23,359
- 2. Starting with 45, multiply by 10 until you get to a number in the hundred thousands place. Fill in the table.

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number					4	5
45 × 10						

3. Choose the number that has the digit 2 with a value that is 10 times less than the value of the digit 2 in this number.

19,273

- a. 32,481
- b. 223,451
- c. 85,329
- d. 2,738
- 4. Taryn wrote this number:

963,205

Write a number that has the digit 3 with a value that is 10 times greater than in Taryn's number.

Unit 3 Lessons 1-2: Multiplication: Products of 10



Directions: Solve.

5. Choose the number that has the digit 1 with a value that is 10 times more than the value of the digit 1 in this number.

36,157

- a. 61,783
- b. 18,417
- c. 48,173
- d. 63,291
- 6. Starting with 89, multiply by 10 until you get to a number in the ten thousands place. Fill in the table.

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number					8	9
89 × 10 =						

7. Lilia wrote this number:

451,932

Write a number that has the digit 3 with a value that is 10 times less than the 3 in Lilia's number.

8. Choose the number that has the digit 2 with a value that is 100 times more than the value of the digit 2 in this number.

85,926

- a. 841,926
- b. 80,926
- c. 874,598
- d. 842,158

Unit 3 Lesson 2: Multiplication: Products of 10



Mana	
Name:	

Date:

Model

Identify the value of the underlined digit. Write a new number that has the same digit with a value 10 times greater. Write another new number that has the same digit with a value 10 times less.

	THOUSANDS PERIOD			ONES PERIOD		
	Н	Т	0	Н	T	0
original number		1	3	5	7	6
new number: ten times more		5	4	7	5	1
new number: ten times less		9	8	3	2	7

Structured Guided Practice

Directions: Identify the value of the underlined digit. Write a new number that has the same digit with a value 10 times greater. Write another new number that has the same digit with a value 10 times less.

1.		THOUSANDS PERIOD			ONES PERIOD		
		Н	T	0	Н	T	0
	original number						
	new number: ten times more						
	new number: ten times less						

21,384

10 times more _____

10 times less _____

2.		THOUSANDS PERIOD			ONES PERIOD		
		Н	T	0	Н	T	0
	original number						
	new number: ten times more						
	new number: ten times less						

12,<u>6</u>47

10 times more

10 times less _____

Unit 3 Lesson 2: Multiplication: Products of 10



Student Practice

Directions: Write a new number that has the underlined digit value.

1.

		OUSAN PERIO		ONES PERIOD		
	Н	Т	0	Н	Т	0
original number						
new number: ten times more						
new number: ten times less						

3<u>1</u>,416

10 times more _____

10 times less _____

2.

		OUSAN PERIO		ONES PERIOD		
	Н	Т	0	Н	Т	0
original number						
new number: ten times more						
new number: ten times less						

12,<u>3</u>45

10 times more _____

10 times less _____

3.

	THOUSANDS PERIOD			ONES PERIOD)
	Н	T	0	Н	T	0
original number						
new number: ten times more						
new number: ten times less						

30,621

10 times more _____

10 times less _____

Unit 3 Lesson 2: Multiplication: Products of 10



Directions: Read and solve...

Example 1: Starting with 26 multiply by 10 until you get to a number in the ten thousands place. Fill in the table.

	THOUSANDS PERIOD			ONES PERIOD		
	н	Т	0	Н	T	0
26 × 10				2	6	0
260 × 10			2	6	0	0
2,600 × 10		2	6	0	0	0

Example 2: Sammy wrote this number:

567.291

Write a number that has the digit 2 with a value that is 10 times more than it is worth in Sammy's number.

56<u>2</u>,942

Example 3: Choose the number that has the digit 7 with a value that is 10 times less than the value of the digit 7 in this number.

74.251

a. 372,471

b. 743,471

© 127,397

d. 834,778

1. Starting with 83 multiply by 10 until you get to a number in the hundred thousands place. Fill in the table.

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number					8	3
83 × 10						

2. Choose the number that has the digit 5 with a value that is 10 times less than the value of the digit 5 in this number.

54.271

- a. 352,471
- b. 543,471
- c. 125,395
- d. 834,578
- 3. Lisa wrote this number:

876,412

Write a number that has the digit 2 with a value that is 10 times more than in Lisa's number.



4. Choose the number that has the digit 1 with a value that is 10 times more than the value of the digit 1 in this number.

467,912

- a. 418.432
- b. 467,921
- c. 467,192
- d. 467,219
- 5. Starting with 37 multiply by 10 until you get to a number in the hundred thousands place. Fill in the table.

	THOUSANDS PERIOD			ONES PERIOD		
	Н	T	0	Н	T	0
Starting number					3	7
37 × 10 =						

6. David wrote this number:

126,735

Write a number that has the digit 6 with a value that is 10 times less than in David's number.

7. Choose the number that has the digit 7 with a value that is 10 times more than the value of the digit 7 in this number.

390,781

- a. 342,798
- b. 349,278
- c. 374,298
- d. 347,298

Date: .

Model

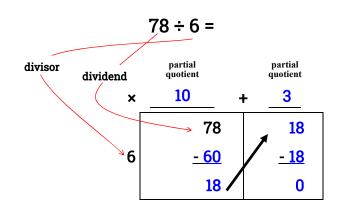
Divide using an area model.

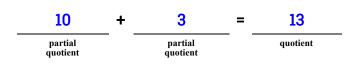
Steps:

- 1. Draw a large rectangle.
- Write the divisor on the left.Draw a multiplication sign on the left side of the rectangle.

Write the dividend in the left rectangle at the top.

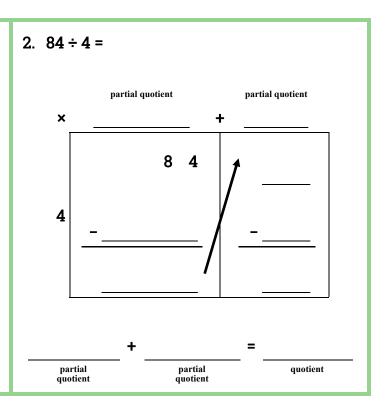
- 3. Multiply the divisor by 10 to get as close as possible to the dividend. Record the partial quotient.
- 4. Record the product.
- 5. Subtract, move answer to next column.
- 6. Repeat for each column.
- 7. Add the partial quotients to find the answer (quotient).





Structured Guided Practice

Directions: Divide using an area model.



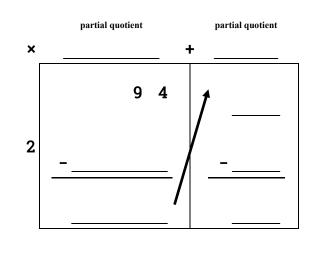
Unit 3 Lesson 8: Division: Area Model



Student Practice

Directions: Divide using an area model.

1. 94 ÷ 2 =

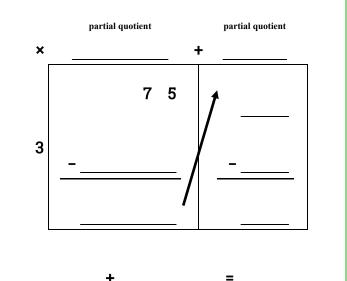


partial

quotient

quotient

2. 75 ÷ 3 =

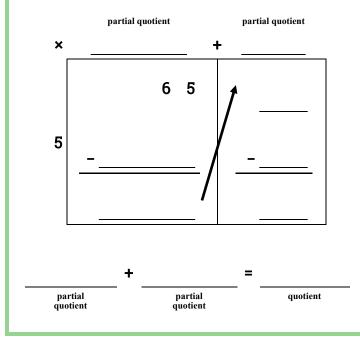


partial

quotient

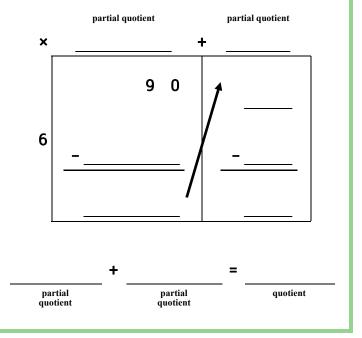
3. $65 \div 5 =$

partial

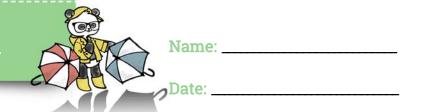


4. $90 \div 6 =$

partial quotient



Unit 3 Lessons 8-10: Division: Area Model with and without Remainders



1.
$$488 \div 4 =$$

2.
$$635 \div 3 =$$

Unit 3 Lessons 8-10: Division: Area Model with and without Remainders



3.
$$2,416 \div 2 =$$

4.
$$3,585 \div 5 =$$

Unit 3 Lessons 8-10: Division: Area Model with and without Remainders



5.
$$4,258 \div 5 =$$

6.
$$4,865 \div 8 =$$

Unit 3 Lessons 8-10: Division: Area Model with and without Remainders



7.
$$4,907 \div 7 =$$

8.
$$3,245 \div 6 =$$

Unit 3 Lesson 9: Division: Area Model with Remainders



Name: _____

Date:

Model

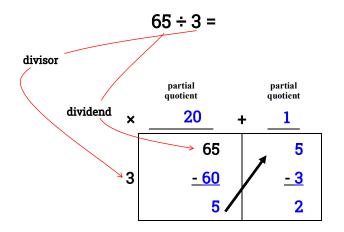
Divide using an area model.

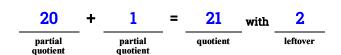
Steps:

- 1. Draw a large rectangle.
- Write the divisor on the left.
 Draw a multiplication sign on the left side of the rectangle.
 Write the dividend in the left rectangle at
- 3. Multiply the divisor by a number to get as close as possible to the dividend without going over (It may be helpful to use a multiple of 10). Record the partial quotient.
- 4. Record the product.

the top.

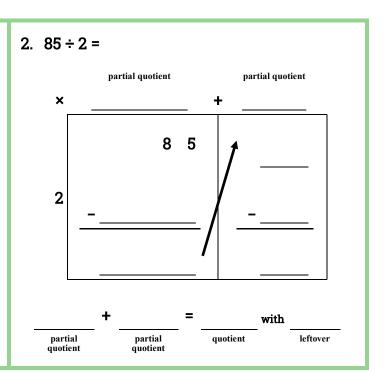
- 5. Subtract, move answer to next column.
- 6. Repeat for each column.
- 7. Add the partial quotients to find the answer (quotient).
- 8. If there is a remainder, include it when writing the quotient.





Structured Guided Practice

Directions: Divide using an area model.



Unit 3 Lesson 9: Division: Area Model with Remainders



Student Practice

Directions: Divide using an area model.

1. $67 \div 5 =$

partial quotient partial quotient × 6 7 5

with partial quotient partial quotient leftover auotient

2. 75 ÷ 4 =

partial quotient partial quotient × 7 5 4

with partial quotient partial quotient leftover quotient

3. $81 \div 6 =$

partial quotient partial quotient × 8 1 6

with

quotient

partial

4. $72 \div 7 =$

partial quotient partial quotient × 7 2 7

with partial partial quotient leftover

leftover

partial quotient

Homework Unit 3 Lesson 9: Spiral Review U3 L1-3, (4.NBT.1▲)



Directions: Review place value and multiplication and division by 10.

1. Starting with 72, multiply by 10 until you get to a number in the ten thousands place.

	THOUSANDS PERIOD			ONES PERIOD			
	Н	Т	0	Н	T	0	
Starting Number:					7	2	

2. Write a number that has a digit 5 with a value ten times greater than the digit 5 in the following number:

621,589

 Starting with 520,000, divide by 10 until you can no longer divide by 10. Fill in the table.

		OUSAN PERIOD		ONES PERIOD			
	Н	Т	0	Н	Т	0	
Starting Number:	5	2	0	0	0	0	
520,000 ÷ 10							

4. True or false? The 6 in the hundreds place is ten times greater than the 6 in the tens place.

77,660

Homework
Unit 3 Lesson 9: Division: Area Model with
Remainders



••			
	1,529		
3			

×			
	2,518		
6			

Unit 3 Lesson 10: Division: Area Model with and without Remainders



Name:

Date:

Model

Divide using an area model.

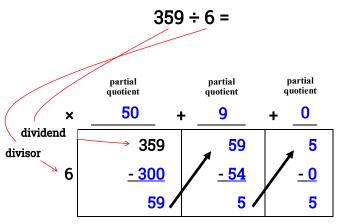
Steps:

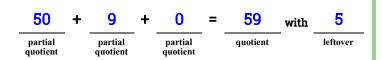
1. Draw a large rectangle.

2. Write the divisor on the left.
Draw a multiplication sign on the left side of the rectangle.

Write the dividend in the left rectangle at the top.

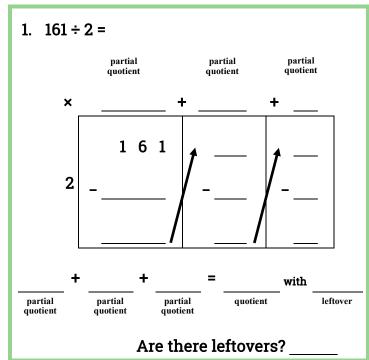
- 3. Multiply the divisor by a number to get as close as possible to the dividend without going over (It may be helpful to use a multiple of 10). Record the partial quotient.
- 4. Record the product.
- 5. Subtract, move answer to next column.
- 6. Repeat for each column.
- 7. Add the partial quotients to find the answer (quotient).
- 8. If there is a remainder, include it when writing the quotient.

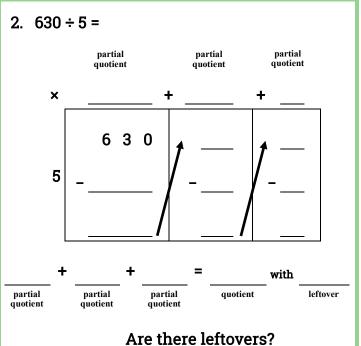




Are there leftovers? <u>yes</u>

Structured Guided Practice





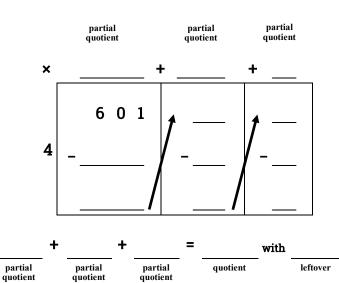
Unit 3 Lesson 10: Division: Area Model with and without Remainders



Student Practice

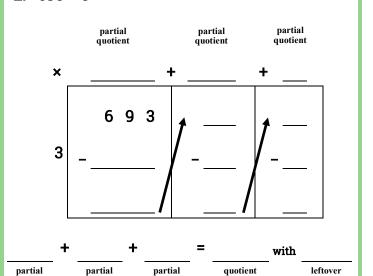
Directions: Divide using an area model.

1. 601 ÷ 4 =



Are there leftovers?

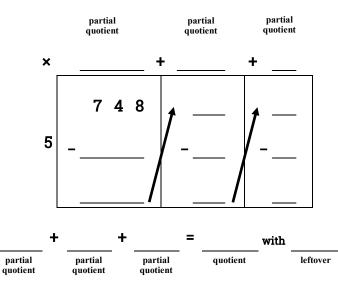
2. 693 ÷ 3 =



quotient

Are there leftovers?

3. $748 \div 5 =$

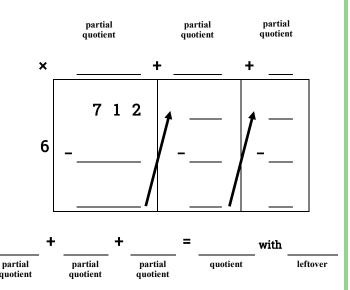


Are there leftovers? ___

4. $712 \div 6 =$

quotient

quotient



Are there leftovers?____

Unit 3 Lesson 10: Division: Area Model with and without Remainders

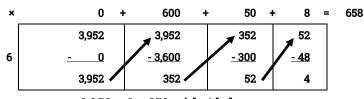


Directions: Divide using an area model.

Example:

$$3,952 \div 6 =$$

- 1. Draw a large rectangle for the area model.
- 2. Write the divisor and a multiplications sign on the left side of the rectangle.
- 3. Draw sections for each place value column.
- 4. Write the dividend in the highest place value section.
- 5. Multiply the divisor by a number that gets you close to the value of the dividend without going over.



 $3,952 \div 6 = 658 \text{ with 4 leftover}$

- 6. Subtract that number from the dividend.
- 7. Take the difference and write in the next place value column.
- 8. Repeat steps 5, 6, and 7.
- 9. Add your partial quotients to find your answer (quotient).
- 10. If there is a remainder, include the leftover when writing the quotient.

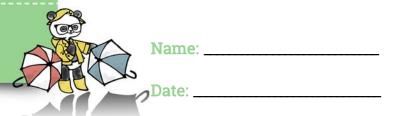
$1.2,502 \div 2 =$

Unit 3 Lesson 10: Division: Area Model with and without Remainders



$$3.822 \div 3 =$$

Unit 3 Lesson 10: Division: Area Model with and without Remainders



7.
$$3,418 \div 7 =$$

Fluency Check

Multiplication Facts

$$6 \times 2 =$$

$$1 \times 2 =$$

Version A

Name: __

Fluency Check

Multiplication Facts

$$0 \times 2 =$$

$$2 \times 5 =$$

$$2 \times 9 =$$

$$2 \times 2 =$$

$$10 \times 2 =$$

$$2 \times 1 =$$

Version B

Name: __

Fluency Check

Multiplication Facts

 $2 \times 10 =$

 $4 \times 2 =$

 $2 \times 1 =$

Name: _

Fluency Check 🖔

Multiplication Facts

 $2 \times 4 =$

$$2 \times 1 =$$

$$2 \times 10 =$$

Fluency Check

Multiplication Facts 3s

$$3 \times 10 =$$

Version A

Name: __

Fluency Check

Multiplication Facts 3s

$$3 \times 2 =$$

$$10 \times 3 =$$

Version B

Name: ____

Fluency Check

Multiplication Facts 3s

3 × 3 =

9 × 3 =

Version C

Name: _

Fluency Check 🖔

Multiplication Facts

 $3 \times 1 =$

$$3 \times 10 =$$

Fluency Check

Multiplication Facts

$$6 \times 4 =$$

Version A

Name: __

Fluency Check

Multiplication Facts

$$4 \times 5 =$$

$$4 \times 1 =$$

Version B

Name: __

Fluency Check

Multiplication Facts

Version C

Name: _

Fluency Check 🖔

Multiplication Facts

$$0 \times 4 =$$

 $4 \times 1 =$

Fluency Check

Multiplication Facts

Version A

Name: __

Fluency Check

Multiplication Facts 5s

 $5 \times 7 =$

$$10 \times 5 =$$

Version B

Name: ____

Fluency Check

Multiplication Facts 5s

 $5 \times 1 =$

Version C

Name: _



Multiplication Facts

Name: ___

Fluency Check (

Multiplication Facts

$$6 \times 10 =$$

$$= 0 \times 9$$

Version A

Name: __

Fluency Check

Multiplication Facts

Version B

Name: ____

Fluency Check

Multiplication Facts 6s

Version C

Name: _

Fluency Check 🖔

Multiplication Facts

 $6 \times 1 =$

 $2 \times 6 =$

$$6 \times 10 =$$