Grade 5

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	Write a division word problem as a fraction.	Reason about multiplying fractions.	Reason about multiplying whole numbers by fractions that are greater than or less than one	Multiply fractions using an area model and an algorithm.	Solve problems that involve the multiplication of fractions and create a story to match.
Assignment	Unit 7 Lesson 2 Re-Engage Extra Practice	Unit 7 Lesson 4 Re-Engage Extra Practice	Unit 7 Lesson 6 Homework	Unit 7 Lesson 9 Re-Engage A Re-Engage B Re-Engage C Re-Engage D Extra Practice	Unit 7 Lesson 10 Re-Engage A Re-Engage B Extra Practice
Video link	Unit 7 Lesson 2 English Spanish Student Support Video	Unit 7 Lesson 4 English Spanish Student Support Video	Unit 7 Lesson 6 English Spanish Student Support Video	Unit 7 Lesson 9 English Spanish Student Support Video	Unit 7 Lesson 10 English Spanish Student Support Video
Fluency Practice	Fluency Check Division (8s) (Version A, B, C, or D)	Fluency Check Division (9s) (Version A, B, C, or D)	Online Facts Practice Division Families from 2 to 9 5-10 minutes	Division A Dividends within 100 (70 items)	Division B Dividends within 100 (70 items)
uo	One thing I was successful 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 was successful with is
Reflecti	One thing I need more help with is	One thing I need more help with is	One thing I need more help with is	One thing I need more help 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.



Re-Engage Unit 7 Lesson 1-2: Fractions as Division

Name: _____

Date: _____

_

denominator/divisor quotient

Number

in each

aroup

3

5

quotient

numerator/

denominator/

dividend

divisor

Reggie has 3 oranges. He wants to make 5 glasses of

orange juice. How much of each orange will he use for

How many

equal

groups?

5 glasses

each orange?

each glass?

Each glass will get $\underline{5}$ of an orange.

Model

<u>Steps</u>:

- 1. Read and understand the problem.
- 2. Identify what is being divided into smaller parts. This is the dividend and the numerator of the fraction.
- Identify how many groups the dividend will be partitioned into. This is the divisor and the denominator of the fraction.
- 4. Show the division as a fraction.

Structured Guided Practice

Directions: Write this division problem as a fraction.

1. Katin had 3 ice cream sandwiches. He will divide them equally for his 4 cousins. What amount of ice cream sandwich will each cousin get?

each glass of orange juice?

÷

What is

being

divided?

numerator/dividend

3 oranges

How many oranges?

How many glass?









Student Practice







Directions: Write the division problem as a fraction. Divide and solve using an area model.

1. What fraction do you get if you divide the whole number 2 by 10?

2. What fraction do you get if you divide the whole number 4 by 7?

3. Emily has 24 roses. She wants to place them into 6 vases. How many roses will Emily place into each vase?

4. Remy has 15 minutes to finish 10 math problems. How much time does she have for each problem?





Directions: Write the division problem as a fraction. Divide and solve using an area model.

5. What fraction do you get if you divide the whole number 5 by 9?

6. What fraction do you get if you divide the whole number 9 by 7?

7. Josie wants to jog 8 miles in 2 hours. How many miles does she need to run each hour?

8. Antonia has 7 bananas. She wants to make 3 smoothies with the same amount of bananas in each. How many bananas should each smoothie get?



Re-Engage Unit 7 Lessons 3-4: Reason About Multiplying Fractions

Name: _____

Date: _____

Model

Steps:

- 1. Read and understand the problem.
- 2. Identify the common factor.
- Compare the factors that are different two different ways.
- 4. Use the comparisons to state the relationship between the factors two different ways.

Kristy's room is 10 feet wide and 15 feet long. Her mom's bedroom was recently re-modeled and it is 10 feet wide and 30 feet long. How does the area of Kristy's room compare to the are of her mom's room?

common factors:	Kristy's room: <mark>10</mark> × 15 Mom's room: <mark>10</mark> × 30
compare the	1. 15 is half of 30
different factors:	2. 30 is 15 doubled.
statomente	 The area of Kristy's room is half the area of her mom's room.
statements.	 The area of Kristy's mom's room is double the area of Kristy's room.

Structured Guided Practice

Directions: Compare the factors.

1.	Joe mowed a lawn that was 8 feet wide and 12 feet long. Bill mowed a lawn that was 24 feet wide and 12 feet long. How does the area that Joe mowed compare to the area that Bill mowed?	common factors: compare the different factors:	1. 2.
		statements:	1. 2.
2.	How does the product of 8 × 10 compare to the product	common factors:	
	of 8 × 100?	compare the different factors:	1. 2.
		statements:	1. 2.



Re-Engage Unit 7 Lessons 3-4: Reason About Multiplying Fractions



Student Practice

Directions: Compare the factors.

1.	How does the product of 12 ×	common factors:	
	$12 \times 100?$	compare the different factors:	1. 2.
		statements:	1.
			2.
2.	Gracie spent \$40 at the supermarket while Kava	common factors:	
	spent \$20 at the supermarket. Compare how	compare the different factors:	1. 2.
	different ways.		1.
		statements:	2.
3.	Juan has to paint a side of his house that is 12 feet wide	common factors:	
	and 7 feet tall. Rodrigo has to paint a side of his house that	compare the different factors:	1. 2.
	How does the area that Juan has to paint compare with		1.
	the area Rodrigo has to paint?	statements:	2.
4.	How does the product of 324	common factors:	
	x 15 compare to the product of 324 × 150?	compare the different factors:	1. 2.
		statements:	1. 2.
C	Copyright © Swun Math		Grade 5 Unit 7 Lessons 3-4 Re-Engage

Directions: Solve.

Name: _____

Date: _____

1. Remy is 4 years old. Her brother Phil is sixteen. Compare Remy's age to her brother's age.

2. Amanda had 36 stickers. Her friend, Sara, only had 9 stickers. How many times more stickers did Amanda have in comparison to Sara?



Directions: Solve.

Name: _____

Date: _____

3. David is 20 inches tall. His mom is 60 inches tall. Compare David's height to his mom's height.

4. Julius painted a wall that has a length of 20 ft. and a height of 10 ft. He has enough paint for another wall that has 4 times the area of the first wall. The height will be the same as the first wall. How long can the second wall be?



Name: _____

Date: _____

Directions: Solve.

5. Compare the product of 525×20 to the product of 525×80 .

6. Maria's room has a width of 12 ft. and a length of 20 ft. Christy has a room with a width of 12 ft. and a length of 60 ft. Compare the area of Maria's room to the area of Christy's room.



Name: _____

Date: _____

Directions: Solve.

7. Frank collected 200 stamps. His brother, Eric, is just starting his collection and has 20 stamps. How many stamps does Eric have in comparison to Frank?

8. How does the product of 50×134 compare to the product of 25×134 ?





Name:

Date: _

Directions: Solve by reasoning about multiplying by one.

Example:

Cindy has 13 pieces of thread. Each piece of thread is $2^3/_8$ meters long. Will the total length of the pieces be greater than or less than 13 meters?

Steps:

- 1. Read the problem.
- 2. Estimate.
- 3. Calculate using a model.
- 4. Compare answer to numbers in problem.

I know that 13 × 1 = 13. Since 2³/₈ is greater than 1, then 13 × 2³/₈ will also be greater than 13.

1. Cindy has 13 pieces of meters. Each piece is $\frac{4}{12}$ of a meter long. Will the total length of pieces of thread be greater than or less than 13 meters?

2. Cathy is going to use 5 pieces of fabric to make napkins. She will cut the fabric into pieces that are ⁸/₉ of a yard long. Will the total length of the fabric be greater or than or less than 5 yards?



Homework Unit 7 Lesson 6: Reason About Multiplying Fractions by One

- 3. Cathy is going to use 5 pieces of fabric to make napkins. She will cut the fabric into pieces that are $1^4/_{10}$ of a yard long. Will the total length of the fabric be greater or than or less than 5 yards.

4. Vickie has 7 containers. She will pour ³/₄ of a gallon of lemonade into each container. Will the total amount of lemonade be greater than or less than 7 gallons?

 Vickie has 7 containers. She will pour 3¹/₆ gallons of lemonade into each container. Will the total amount of lemonade be greater than or less than 7 gallons? Prove your reasoning.



Homework Unit 7 Lesson 6: Reason About Multiplying Fractions by One

Name: _____

Date:

6. Mrs. Smith will serve fruit punch in 6 pitchers. She will pour $2^3/_5$ liters of fruit punch into each pitcher. Will the total amount of fruit punch be greater than or less than 6 liters?

7. Mrs. Smith will serve fruit punch in 6 pitchers. She will pour $^{6}/_{8}$ of a liter of fruit punch into each pitcher. Will the total amount of fruit punch be greater than or less than 6 liters?



Re-Engage

Unit 7 Lessons 8-9a: Multiply Whole Numbers by Fractions Using an Area Model Name: _____

Date: _____

Model

Steps:

- 1. Draw each fraction. Use a highlighter to share the wholes and draw diagonal lines to shade the fraction.
- 2. Combine the two models together or lay the fraction model on top of each whole.
- 3. Count where there are both types of shading to find the answer.



Structured Guided Practice





Re-Engage Unit 7 Lessons 8-9a: Multiply Whole Numbers by Fractions Using an Area Model



Student Practice





Re-Engage

Unit 7 Lessons 8-9b: Multiply Fractions by Fractions Using an Area Model Name: _____

Date:

Model

Steps:

- 1. Draw one fraction using horizontal lines and the other fraction using vertical lines.
- Shade in one fraction with a highlighter and the other fraction with diagonal lines.
- 3. Combine both models together or lay one fraction model over the other.
- The denominator is the total number of parts, and the numerator is represented by the number of parts with both types of shading.



Structured Guided Practice





Re-Engage Unit 7 Lessons 8-9b: Multiply Fractions by Fractions Using an Area Model



Student Practice





Name: _____

Re-Engage

Unit 7 Lessons 8-9c: Multiply Mixed Numbers Using an Algorithm

Date: _____

Model



Structured Guided Practice

¹
$$1\frac{2}{5} \times 1\frac{1}{2} =$$

² $2\frac{1}{2} \times 2\frac{1}{3} =$



Re-Engage Unit 7 Lessons 8-9c: Multiply Mixed Numbers Using an Algorithm



Student Practice

Directions: Solve using an algorithm.



Name: _____

Re-Engage

Unit 7 Lessons 8-9d: Multiply Fractions, Whole Numbers, & Mixed Numbers Using an Algorithm

Date:

Model

Multiply Fractions $\frac{3}{4} \times \frac{2}{3} =$	Multiply Whole Numbers and Fractions $3 \times \frac{3}{4} =$	Multiply Mixed Numbers $1\frac{2}{3} \times 1\frac{1}{2} =$
$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$ $\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$	$\frac{3}{1} \times \frac{3}{4} =$ $\frac{3}{1} \times \frac{3}{4} = \frac{9}{4}$ $\frac{3}{1} \times \frac{3}{4} = \frac{9}{4}$	$ \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} +\frac{2}{3} = \frac{5}{3} \\ \end{array} & \begin{array}{c} \begin{array}{c} \begin{array}{c} +\frac{1}{2} = \frac{3}{2} \\ \end{array} & \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \begin{array}{c} \end{array} & \begin{array}{c} \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \begin{array}{c} \end{array} & \end{array} & \begin{array}{c} \end{array} & \end{array} & \begin{array}{c} \end{array} & \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \end{array} & \begin{array}{c} \end{array} & \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \end{array} & \end{array} & \begin{array}{c} \end{array} & \end{array} & \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \end{array} & \end{array} & \begin{array}{c} \end{array} & \end{array} & \end{array} & \end{array} & \begin{array}{c} \end{array} & \end{array} & \end{array} & \end{array} & \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \begin{array}{c} \end{array} & \end{array} &$
$\frac{6}{12}_{+6}^{+6} = \frac{1}{2}$	$\frac{9}{4} = \frac{4}{4} + \frac{4}{4} + \frac{1}{4} = 2\frac{1}{4}$	$2\frac{3}{6} = 2\frac{1}{2}$

Structured Guided Practice

^{1.} $\frac{3}{5} \times \frac{1}{4} =$	^{2.} $4 \times \frac{4}{5} =$
^{3.} 5 × $1\frac{2}{3}$ =	4. $2\frac{3}{5} \times 1\frac{1}{4} =$



Re-Engage Unit 7 Lessons 8-9d: Multiply Whole Numbers, Fractions, & Mixed Numbers Using an Algorithm



Student Practice

1. $\frac{5}{6} \times \frac{1}{3} =$	^{2.} $3 \times \frac{4}{5} =$
^{3.} $\frac{5}{7} \times 4 =$	4. $4 \times 1\frac{2}{3} =$
^{5.} $2\frac{1}{6} \times 5 =$	^{6.} $3\frac{3}{4} \times 2\frac{1}{2} =$



Extra Practice

Unit 7 Lessons 8-9: Multiply Fractions Using an Area Model

Name: _____

Date: _____

Directions: Solve using an area model and an algorithm.





Extra Practice Unit 7 Lessons 8-9: Multiply Fractions Using an Area Model



Directions: Solve using an area model and an algorithm.



Re-Engage Unit 7 Lesson 10a: Multiply Fractions Using an Algorithm Name: _____

Date: _____

Model

<u>Steps</u> :		3 2
1.	Multiply the numerators.	$\frac{1}{4} \times \frac{1}{3} =$
2.	Multiply the denominators.	
3.	Simplify, if possible.	$\frac{3}{4} \times \frac{2}{3} = \frac{0}{2}$
		$\frac{3}{4} \times \frac{2}{3} = \frac{6}{12}$
		$\frac{6}{12}_{+6}^{+6} = \frac{1}{2}$

Structured Guided Practice

Directions: Solve using an algorithm.

1. $\frac{4}{6} \times \frac{3}{4} =$	2. $\frac{3}{4} \times \frac{1}{2} =$
^{3.} $\frac{2}{3} \times \frac{1}{2} =$	$\begin{array}{c}4. \\ \frac{1}{3} \times \frac{1}{4} =\end{array}$



Re-Engage Unit 7 Lesson 10a: Multiply Fractions Using an Algorithm_



Student Practice

1. $\frac{7}{8} \times \frac{5}{7} =$	2. $\frac{4}{6} \times \frac{7}{8} =$
^{3.} $\frac{2}{5} \times \frac{2}{3} =$	4. $\frac{2}{6} \times \frac{1}{2} =$
^{5.} $\frac{3}{5} \times \frac{1}{2} =$	6. $\frac{1}{4} \times \frac{2}{3} =$



Re-Engage Unit 7 Lesson 10b: Multiply Whole Numbers and Fractions Using an Algorithm Name: _____

Date: _____

<u>Model</u>

<u>Steps</u> :		$2 \sqrt{\frac{3}{2}}$ -
1.	Change the whole number into a fraction.	$3 \times \frac{4}{4}$
2.	Multiply the numerators.	$\frac{3}{1} \times \frac{3}{4} =$
3.	Multiply the denominators.	$\frac{3}{1} \times \frac{3}{4} = \frac{9}{1}$
4.	Simplify, if possible.	$\frac{3}{1} \times \frac{3}{4} = \frac{9}{4}$
		$\frac{9}{4} = \frac{4}{4} + \frac{4}{4} + \frac{1}{4} = 2\frac{1}{4}$

Structured Guided Practice

Directions: Solve using an algorithm.

^{1.} 2 $\times \frac{3}{4}$ =	^{2.} $4 \times \frac{1}{2} =$
^{3.} $3 \times \frac{1}{2} =$	4. $3 \times \frac{1}{4} =$



Re-Engage Unit 7 Lesson 10b: Multiply Whole Numbers and Fractions Using an Algorithm



Student Practice

^{1.} 5 × $\frac{5}{7}$ =	^{2.} $6 \times \frac{7}{8} =$
^{3.} $2 \times \frac{2}{3} =$	4. $6 \times \frac{1}{2} =$
^{5.} 5 × $\frac{1}{2}$ =	^{6.} $4 \times \frac{2}{3} =$





Name: _____

Date:

Directions: Solve using an algorithm. Create a story that goes with the problem.

1. What is $4 \times {}^{2}/_{3}$?

2. What is $\frac{4}{8} \times \frac{2}{5}$?

3. What is $2 \times \frac{1}{6}$?





Directions: Solve using an algorithm. Create a story that goes with the problem.

4. What is $\frac{3}{5} \times \frac{1}{4}$?

5. What is $5 \times \frac{2}{7}$?

6. What is ${}^{3}/_{5} \times {}^{4}/_{7}$?



Name:	Name:	Name:	Name:
8s 32 ÷ 8 =	8 ÷ 8 =	8s 24÷8 =	80÷8= 80
56÷8=	72 ÷ 8 =	64÷8=	48÷8=
	80 ÷ 8 =	16÷8 =	40÷8=
72÷8=	48÷8=	II 8 +• 8	56÷8=
40÷8=	24÷8=	72÷8=	32÷8=
80÷8=	64 ÷ 8 =	80÷8 =	24÷8=
48÷8=	16÷8=	48÷8=	64÷8=
64÷8=	32÷8=	40÷8 =	16÷8=
16÷8=	56÷8=	56÷8 =	= 8 ÷ 8
24 ÷ 8 =	40 ÷ 8 =	32÷8 =	72÷8=
Version A	Version B	Version C	Version D

Name:	Name:	Name:	Name:
Division Facts 9s	Division Facts 9s	Division Facts 9s	Division Facts 9s
36÷9=	= 6÷6	27÷9 =	= 6 ÷ 06
63 ÷ 9 =	81÷9=	72÷9=	54÷9=
= 6÷6	= 6 ÷ 06	18÷9=	45÷9=
81 ÷ 9 =	54 ÷ 9 =	= 6÷6	63 ÷ 9 =
45 ÷ 9 =	27 ÷ 9 =	81÷9=	36÷9=
= 6 ÷ 06	72 ÷ 9 =	= 6 ÷ 06	27÷9=
54 ÷ 9 =	18÷9=	54÷9 =	72÷9=
72 ÷ 9 =	36÷9=	45÷9 =	18÷9=
18÷9=	63÷9=	63÷9 =	= 6 ÷ 6
27÷9=	45÷9=	36÷9 =	81÷9=
Version A	Version B	Version C	Version D

Nam	1e			Date				Divisio Dividends w (70 iter	n A ithin 100 ms)
6)36	9)54	8)72	5)35	7)35	7)7	2)10	9)81	5)25	6)36
4)20	2)6	$4\overline{)8}$	$2\overline{)2}$	5)45	6)42	7)28	9)63	6)48	6)12
5)10	9)18	2)8	8)64	2)12	3)12	6)54	9)72	2)16	7)49
8)8	7)21	3)27	6)18	1)8	2)6	4)24	5)15	2)14	9)9
3)24	4)32	6)6	9)45	6)30	8)32	7)14	4)36	7)63	4)12
5)20	8)24	4)16	3)18	5)40	2)18	8)16	7)42	3)12	8)48
6)42	5)45	2)2	$4\overline{)8}$	$2\overline{ brace6}6$	4)20	6)12	6)48	9)63	7)28

Nam	1e			Date				Division B Dividends within 100 (70 items)		
3)24	4)32	6)6	9)45	6)30	8)32	7)14	4)36	7)63	4)12	
8)8	7)21	3)27	6)18	1)8	$2\overline{)6}$	4)24	5)15	2)14	9)9	
5)20	8)24	4)16	3)18	5)40	2)18	8)16	7)42	3)12	8)48	
6)42	5)45	2)2	$4\overline{)8}$	$2\overline{)6}$	4)20	6)12	6)48	9)63	7)28	
6)36	9)54	8)72	5)35	7)35	7)7	2)10	9)81	5)25	6)36	
4)20	$2\overline{)6}$	$4\overline{)8}$	2)2	5)45	6)42	7)28	9)63	6)48	6)12	
5)10	9)18	$2\overline{)8}$	8)64	2)12	3)12	6)54	9)72	2)16	7)49	