



# 6<sup>th</sup> Grade

## Tier 2 Intervention Lessons

**Readiness Standard 7 - 5.NF.7b**

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness for 6.NS.1:** Multiply and divide fractions

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## IES Recommendations for Tier 2 and 3 intervention lessons:

2. Instructional materials for students receiving interventions should focus intensely on in-depth treatment of whole numbers in kindergarten through grade 5 and on rational numbers in grades 4 through 8. These materials should be selected by committee.	<b>Low</b>
3. Instruction during the intervention should be explicit and systematic. This includes providing models of proficient problem solving, verbalization of thought processes, guided practice, corrective feedback, and frequent cumulative review.	<b>Strong</b>
4. Interventions should include instruction on solving word problems that is based on common underlying structures.	<b>Strong</b>
5. Intervention materials should include opportunities for students to work with visual representations of mathematical ideas and interventionists should be proficient in the use of visual representations of mathematical ideas.	<b>Moderate</b>
6. Interventions at all grade levels should devote about 10 minutes in each session to building fluent retrieval of basic arithmetic facts.	<b>Moderate</b>
7. Monitor the progress of students receiving supplemental instruction and other students who are at risk.	<b>Low</b>
8. Include motivational strategies in tier 2 and tier 3 interventions.	<b>Low</b>

(Institute of Educational Sciences, Assisting Students Struggling with Mathematics: Response to Intervention (RtI) for Elementary and Middle Schools, 2009, p. 6)

## Gradual release of responsibility model

### Teacher Responsibility

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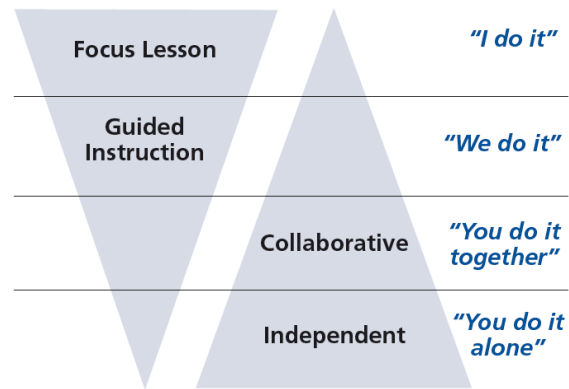


Figure 1

[\(Dr. Douglas Fisher, Effective Use of the Gradual Release of Responsibility Model\)](#)



# Planning Guide: Session 1

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

Recommended Actions	
<b>Beginning</b> (15 min.)	<p><u>Review</u> the readiness standard with the intervention group using the <b>Guided Review</b></p> <ul style="list-style-type: none"><li>➤ Introduce the learning target and why it is important for future learning</li><li>➤ Read each question on the Guided Review and ask students to share what they remember from the previous school year.</li></ul>
<b>Middle</b> (5 min.)	<ul style="list-style-type: none"><li>➤ Ask students to <u>reflect</u> on their progress towards the learning target<ul style="list-style-type: none"><li>➤ What did I remember about the learning target?</li><li>➤ What did I learn today about the learning target?</li><li>➤ How confident do I feel about doing the learning target on my own?</li></ul></li></ul>
<b>End</b> (10 min.)	<ul style="list-style-type: none"><li>➤ <u>Assess</u> each student's progress using <b>Quick Check – Form A</b></li><li>➤ Guide students to self-correct their <b>Quick Check – Form A</b></li><li>➤ Guide students to <u>chart their progress</u> by recording the date and Quick Check score in their <b>Growth Chart</b></li><li>➤ Collect each student's Quick Check and Growth Chart</li></ul>
<b>After</b>	<ul style="list-style-type: none"><li>➤ Create sub-groups to differentiate the middle of sessions 2 through 8<ul style="list-style-type: none"><li>○ Group 1 – Include students who <u>did not</u> meet the learning goal</li><li>○ Group 2 – Include students who met or exceeded the learning goal</li></ul></li></ul>



# 6<sup>th</sup> Grade Fall Guided Review

Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**1.**

Divide:  $6 \div \frac{1}{4}$

$\frac{1}{24}$

$\frac{6}{4}$

$\frac{4}{6}$

24

**2.**

Divide:  $8 \div \frac{1}{2}$

$\frac{1}{16}$

$\frac{8}{2}$

$\frac{2}{8}$

16

**3.**

Divide:  $7 \div \frac{1}{4}$

$\frac{28}{1}$

$\frac{7}{4}$

$\frac{4}{7}$

$\frac{1}{28}$



# 6<sup>th</sup> Grade Winter Guided Review

Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**1.**

Divide:  $10 \div \frac{1}{2}$

- $\frac{10}{2}$         $\frac{1}{20}$         $\frac{2}{10}$        20

**2.**

Divide:  $6 \div \frac{1}{3}$

- $\frac{6}{3}$         $\frac{3}{6}$        18        $\frac{1}{18}$

**3.**

Divide:  $4 \div \frac{1}{5}$

- $\frac{20}{1}$         $\frac{5}{4}$         $\frac{4}{5}$         $\frac{1}{20}$



# 6<sup>th</sup> Grade Spring Guided Review

Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**1.**

Divide:  $11 \div \frac{1}{3}$

$\frac{11}{3}$

33

$\frac{3}{11}$

$\frac{1}{33}$

**2.**

Divide:  $5 \div \frac{1}{4}$

$\frac{1}{20}$

$\frac{4}{5}$

$\frac{5}{4}$

20

**3.**

Divide:  $9 \div \frac{1}{6}$

$\frac{6}{9}$

$\frac{9}{6}$

$\frac{54}{1}$

$\frac{1}{54}$



# Session 1: Self-Reflection

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

Briefly discuss student responses:

- What did I remember today about dividing a whole number by a unit fraction?
  
- What did I learn today about dividing a whole number by a unit fraction?
  
- How confident do I feel about dividing a whole number by a unit fraction on my own?  
*(Thumbs up, down, or sideways)*





# Quick Check - Form A

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Directions:** Write the answer to each problem. (Work time: 4 minutes)

**1.**

$$2 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

**2.**

$$3 \div \frac{1}{4} = \underline{\hspace{2cm}}$$

**3.**

$$6 \div \frac{1}{4} = \underline{\hspace{2cm}}$$

**4.**

$$5 \div \frac{1}{9} = \underline{\hspace{2cm}}$$

**5.**

$$9 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

**6.**

$$2 \div \frac{1}{4} = \underline{\hspace{2cm}}$$



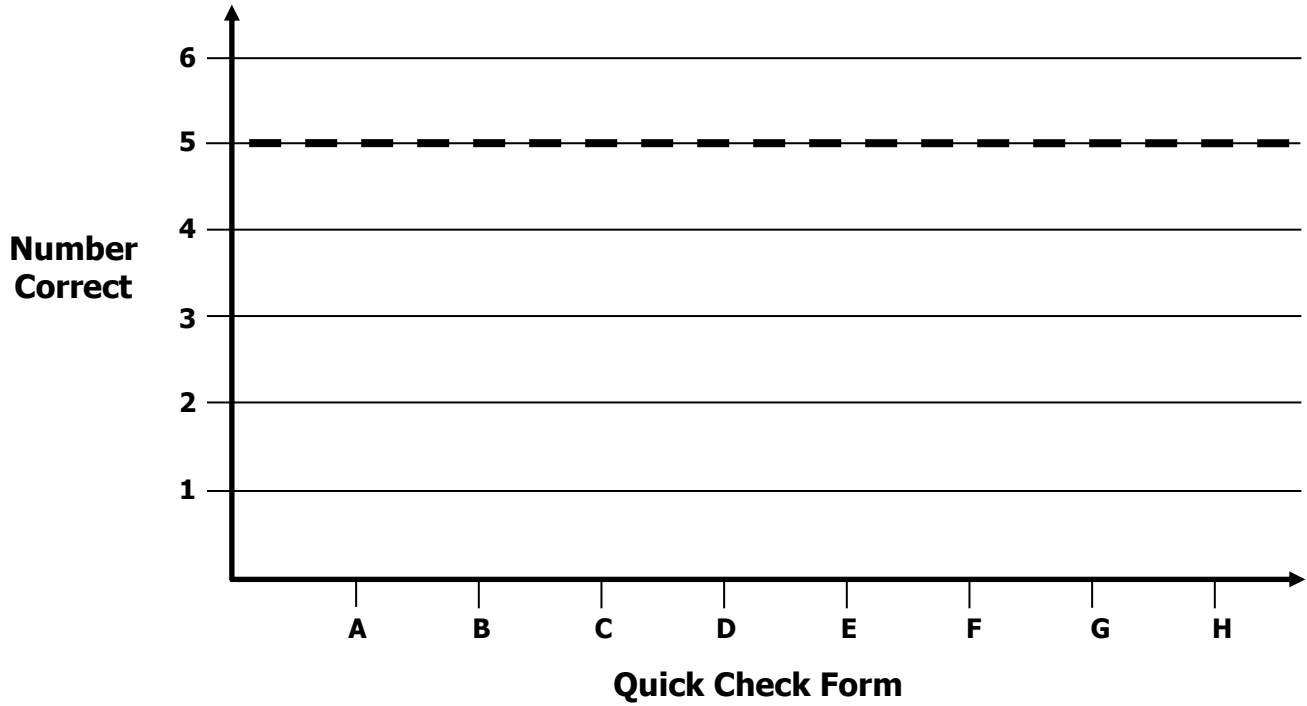
# Growth Chart

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Goal:** 5 out of 6 correct



Intervention	Date	Score
Session 1:		
Session 2:		
Session 3:		
Session 4:		
Session 5:		
Session 6:		
Session 7:		
Session 8:		



# Planning Guide: Sessions 2 Through 8

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

<b>Recommended Actions</b>			
<b>Beginning</b> (5 min.)	<ul style="list-style-type: none"> <li>➤ Review the learning target with the whole group and ask each student to set a goal for today’s learning</li> </ul>		
<b>Middle</b> (15 min.)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Group 1:</b> <i>(Students who <u>did not</u> meet the learning goal on the previous Quick Check)</i></p> <ul style="list-style-type: none"> <li>➤ Model solving a word problem – “I do”</li> <li>➤ Guided Practice – “We do together/ You do together”</li> </ul> <p><b>Session 2:</b> Fold fraction squares to divide a whole number by a unit fraction</p> <p><b>Session 3:</b> Draw on fraction squares to divide a whole number by a unit fraction</p> <p><b>Session 4:</b> Use multiplication to divide a unit fraction by a whole number</p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Group 2:</b> <i>(Students who met the learning goal)</i></p> <ul style="list-style-type: none"> <li>➤ Independent practice – “You do alone”</li> </ul> <p><b>Activity:</b> <i>Division Match-up!</i></p> <p style="text-align: center;"><i>(Look for additional activities in 5<sup>th</sup> grade core instruction resources.)</i></p> </td> </tr> </table>	<p><b>Group 1:</b> <i>(Students who <u>did not</u> meet the learning goal on the previous Quick Check)</i></p> <ul style="list-style-type: none"> <li>➤ Model solving a word problem – “I do”</li> <li>➤ Guided Practice – “We do together/ You do together”</li> </ul> <p><b>Session 2:</b> Fold fraction squares to divide a whole number by a unit fraction</p> <p><b>Session 3:</b> Draw on fraction squares to divide a whole number by a unit fraction</p> <p><b>Session 4:</b> Use multiplication to divide a unit fraction by a whole number</p>	<p><b>Group 2:</b> <i>(Students who met the learning goal)</i></p> <ul style="list-style-type: none"> <li>➤ Independent practice – “You do alone”</li> </ul> <p><b>Activity:</b> <i>Division Match-up!</i></p> <p style="text-align: center;"><i>(Look for additional activities in 5<sup>th</sup> grade core instruction resources.)</i></p>
<p><b>Group 1:</b> <i>(Students who <u>did not</u> meet the learning goal on the previous Quick Check)</i></p> <ul style="list-style-type: none"> <li>➤ Model solving a word problem – “I do”</li> <li>➤ Guided Practice – “We do together/ You do together”</li> </ul> <p><b>Session 2:</b> Fold fraction squares to divide a whole number by a unit fraction</p> <p><b>Session 3:</b> Draw on fraction squares to divide a whole number by a unit fraction</p> <p><b>Session 4:</b> Use multiplication to divide a unit fraction by a whole number</p>	<p><b>Group 2:</b> <i>(Students who met the learning goal)</i></p> <ul style="list-style-type: none"> <li>➤ Independent practice – “You do alone”</li> </ul> <p><b>Activity:</b> <i>Division Match-up!</i></p> <p style="text-align: center;"><i>(Look for additional activities in 5<sup>th</sup> grade core instruction resources.)</i></p>		
<b>End</b> (10 min.)	<ul style="list-style-type: none"> <li>➤ Bring the students back together.</li> <li>➤ Ask students to reflect on their progress towards the learning target               <ul style="list-style-type: none"> <li>○ What did I learn today about dividing a whole number by a unit fraction?</li> <li>○ How confident do you feel about dividing a whole number by a unit fraction on my own? (Thumbs up, down, or sideways)</li> </ul> </li> <li>➤ Assess each student’s progress using the next <b>Quick Check</b> form</li> <li>➤ Guide students to self-correct their <b>Quick Check</b></li> <li>➤ Guide students to chart their progress in their <b>Growth Chart</b> <ul style="list-style-type: none"> <li>○ If not using Delta Math lessons, record the activity in the table</li> </ul> </li> <li>➤ Collect each student’s <b>Quick Check</b> and <b>Growth Chart</b></li> </ul>		
<b>After</b>	<ul style="list-style-type: none"> <li>➤ Regroup students to differentiate the middle of sessions 3 through 8               <ul style="list-style-type: none"> <li>○ Promote students who met the learning goal to group 2</li> <li>○ Exit students who met the learning goal for a third time</li> </ul> </li> <li>➤ Problem solve with a team to plan additional support for students who did not exit</li> </ul>		



## Session 2: Modeling (I Do)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

Zach has 2 pounds of ground beef and is planning to make hamburgers. If he wants to make each hamburger equal to  $\frac{1}{3}$  of a pound, how many hamburgers can he make?

# Session 2: Modeling (I Do – Visual Support)

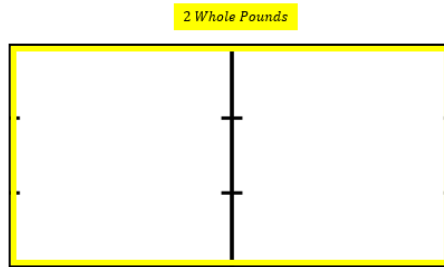
6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

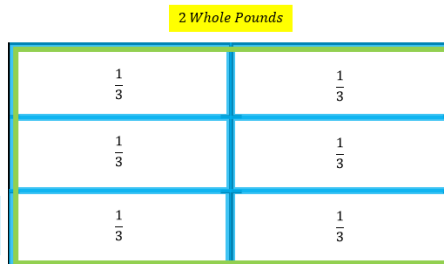
Zach has 2 pounds of ground beef and is planning to make hamburgers. If he wants to make each hamburger equal to  $\frac{1}{3}$  of a pound, how many hamburgers can he make?

**Outline 2 wholes**



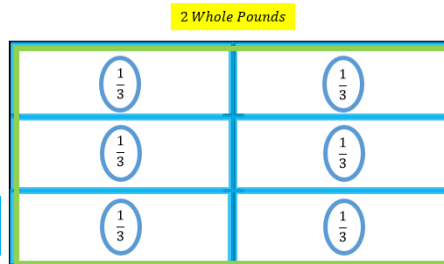
$$2 \div \frac{1}{3}$$

**Outline parts of 1 third**



$$2 \div \frac{1}{3}$$

**Find how many parts that make 2 wholes**



$$2 \div \frac{1}{3} = 6$$



# Session 2: Modeling (I Do - Teacher Notes)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

Zach has 2 pounds of ground beef and is planning to make hamburgers. If he wants to make each hamburger equal to  $\frac{1}{3}$  of a pound, how many hamburgers can he make?

**I am going to think aloud to model solving this problem.**

**Your job is to watch, listen, think and ask questions.**

**First, it is important to know what the problem is about.**

**This problem is about Zach making hamburgers.**

**Second, I need to determine what I need to find.**

**I need to find how many hamburgers Zach can make.**

**Third, I need to determine what I know.**

**I know that he has 2 pounds of ground beef and plans to make each hamburger equal to  $\frac{1}{3}$  of a pound.**

**Fourth, I need to figure out what I can try.**

**I am going to try modelling this situation using square pieces of paper.**

(Hold up 2 squares connected together from the 2<sup>nd</sup> set of squares on **page 10**, write 2 whole pounds on the Modeling page and outline the 2 squares with yellow highlighter.)

**I will begin by folding each square into thirds to represent each hamburger.**

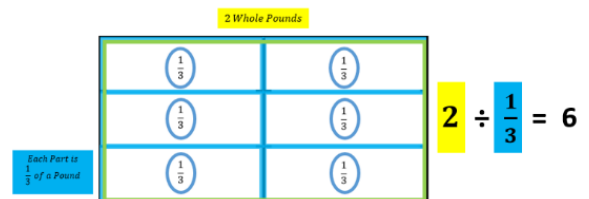
(Fold the squares into thirds...outline and label each third using a blue highlighter.)

**Each section represents 1 of the hamburgers...we need to find how many make up 2 wholes.**

(Circle each label.)

**I see that 2 whole pounds are made of 6 equal parts of 1 third.**

(Count the 6 sections.)



**Last, I need to make sure that my answer makes sense.**

**I found that Zach could make 6 hamburgers. It makes sense because I represented the 2 pounds of ground beef with 2 paper squares and folded them into equal parts of 1 third to find how many can be made from 2 pounds.**



# Whole Numbers to Divide (Set 1)


6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Directions:** Provide each student both sets of squares for the Guided Practice.

**Note:** The teacher may use the two squares in the 1<sup>st</sup> row for the Modeling problem.

**(We Do Together, problems 1-4)**

			Use these two for Problem 1
			Use these three for Problem 2
			Use these four for Problem 3
			Use these three for Problem 4






# Whole Numbers to Divide (Set 2)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

(You Do Together, problems 5-8)

			Use these two for Problem 5
			Use these three for Problem 6
			Use these four for Problem 7
			Use these four for Problem 8





**Learning Target:** I will divide a whole number by a unit fraction

## Session 2: Guided Practice (We Do)

**Materials:**

- Templates for Squares (2 sheets per student)
- 1 yellow and 1 blue highlighter per student

**We Do Together:** (Teacher Actions)

- Restate each division problem based on your conceptual understanding.
- Fold and highlight fraction squares to find each answer.

<p>1.</p> $2 \div \frac{1}{4}$	<p>2.</p> $3 \div \frac{1}{3}$
<p>3.</p> $4 \div \frac{1}{2}$	<p>4.</p> $3 \div \frac{1}{4}$

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to divide whole numbers by unit fractions.

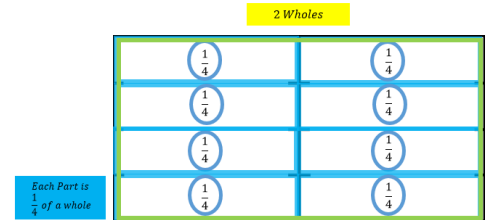
<p>5.</p> $2 \div \frac{1}{3}$	<p>6.</p> $3 \div \frac{1}{2}$
<p>7.</p> $4 \div \frac{1}{4}$	<p>8.</p> $4 \div \frac{1}{3}$

**Learning Target:** I will divide a whole number by a unit fraction

## Session 2: Guided Practice (We Do – Teacher Notes)

**Materials:**

- Templates for Squares (2 sheets per student)
- 1 yellow and 1 blue highlighter per student



**We Do Together:** (Teacher Actions)

- Restate each division problem based on your conceptual understanding.
- Fold and highlight fraction squares to find each answer.

<p>1.</p> $2 \div \frac{1}{4} = 8$ <p style="text-align: center; color: red;"><i>2 divided into groups of 1 fourth</i></p>	<p>2.</p> $3 \div \frac{1}{3} = 9$ <p style="text-align: center; color: red;"><i>3 divided into groups of 1 third</i></p>
<p>3.</p> $4 \div \frac{1}{2} = 8$ <p style="text-align: center; color: red;"><i>4 divided into groups of 1 half</i></p>	<p>4.</p> $3 \div \frac{1}{4} = 12$ <p style="text-align: center; color: red;"><i>3 divided into groups of 1 fourth</i></p>

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to divide whole numbers by unit fractions.

<p>5.</p> $2 \div \frac{1}{3} = 6$ <p style="text-align: center; color: red;"><i>2 divided into groups of 1 third</i></p>	<p>6.</p> $3 \div \frac{1}{2} = 6$ <p style="text-align: center; color: red;"><i>3 divided into groups of 1 half</i></p>
<p>7.</p> $4 \div \frac{1}{4} = 16$ <p style="text-align: center; color: red;"><i>4 divided into groups of 1 fourth</i></p>	<p>8.</p> $4 \div \frac{1}{3} = 12$ <p style="text-align: center; color: red;"><i>4 divided into groups of 1 third</i></p>



## Session 2: Self-Reflection

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

Briefly discuss student responses:

- What did I learn today about dividing a whole number by a unit fraction?
  
- How confident do I feel about dividing a whole number by a unit fraction on my own?  
*(Thumbs up, down, or sideways)*



# Quick Check - Form B

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Directions:** Write the answer to each problem. (Work time: 4 minutes)

**1.**

$$4 \div \frac{1}{5} = \underline{\hspace{2cm}}$$

**2.**

$$2 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

**3.**

$$5 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

**4.**

$$8 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

**5.**

$$9 \div \frac{1}{7} = \underline{\hspace{2cm}}$$

**6.**

$$3 \div \frac{1}{6} = \underline{\hspace{2cm}}$$



# Session 3: Modeling (I Do)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

Zach loves to eat jellybeans, but yesterday he ate 2 cups of jellybeans and felt sick. If he ate the  $\frac{1}{4}$  of a cup each time he walked by the jellybean jar, how many times did he eat jellybeans?

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# Session 3: Modeling (I Do – Visual Support)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

Zach loves to eat jellybeans, but yesterday he ate 2 cups of jellybeans and felt sick. If he ate the  $\frac{1}{4}$  of a cup each time he walked by the jellybean jar, how many times did he eat jellybeans?

$$2 \div \frac{1}{4} = 8$$

2 Cups of Jellybeans

Each part is  
 $\frac{1}{4}$  of a whole

✓	✓
✓	✓
✓	✓
$\frac{1}{4}$ ✓	✓



# Session 3: Modeling (I Do - Teacher Notes)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

Zach loves to eat jellybeans, but yesterday he ate 2 cups of jellybeans and felt sick. If he ate the  $\frac{1}{4}$  of a cup each time he walked by the jellybean jar, how many times did he eat jellybeans?

**I am going to think aloud to model solving this problem.**

**Your job is to watch, listen, think and ask questions.**

**First, it is important to know what the problem is about.**

**This problem is about Zach eating jellybeans.**

**Second, I need to determine what I need to find.**

**I need to find how many times he ate jellybeans.**

**Third, I need to determine what I know.**

**I know that he ate 2 cups of jellybeans and he ate  $\frac{1}{4}$  of a cup each time he walked by the jellybean jar.**

**Fourth, I need to figure out what I can try.**

**I am going to try using an area drawing to find how many  $\frac{1}{4}$  cups are in 2 cups.**

(Write the division problem above the 2 squares and outline them using a yellow highlighter.)

**I will begin by separating each whole cup into the 1-quarter cup servings.**

(Use the guide for drawing fractions to draw lines separating each cup into quarters, label them and outline each quarter with a blue highlighter.)

**To see how many times he ate jellybeans, I will count the total number of 1-quarter servings.**

(Point to and count each serving.)

**There are 8 1-quarter cup servings in 2 cups of jellybeans.**

$$2 \div \frac{1}{4} = 8$$

2 Cups of Jellybeans

Each part is  $\frac{1}{4}$  of a whole

✓	✓
✓	✓
✓	✓
$\frac{1}{4}$ ✓	✓

**Last, I need to make sure that my answer makes sense.**

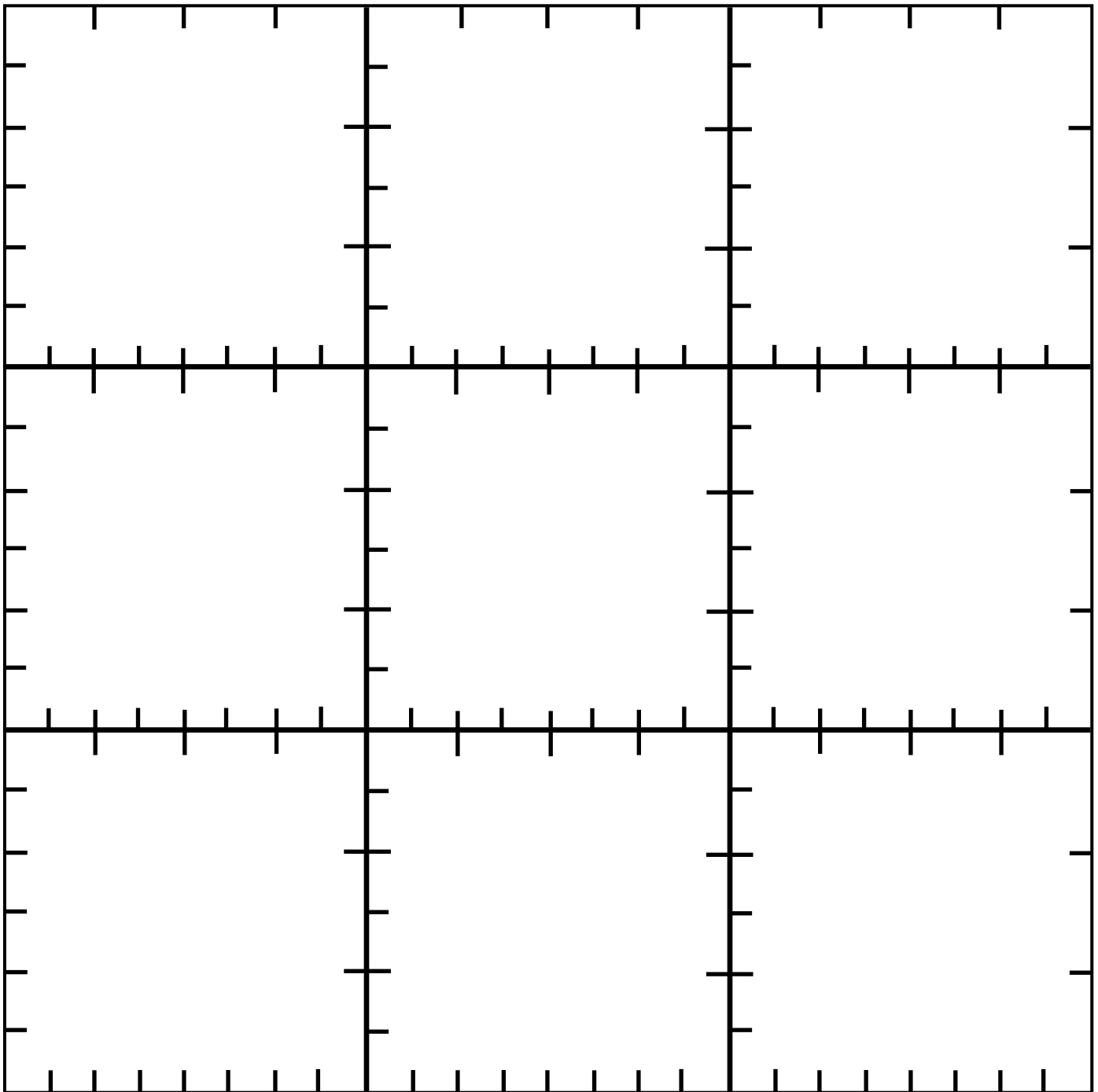
**I found that Zach ate jellybeans 8 times. It makes sense because I represented the 2 cups using squares and separated each cup into 1 quarter equal parts to find how many of these parts equal 2 wholes.**



# Guides for Drawing Fractions

**Directions:** Copy on cardstock and cut out 1 square per student.

**Note:** The sides of each square provide a guide to draw halves, thirds, fourths, sixths and eighths.  
Rotate the square to use the side required for each problem.







Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 3: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: 3 wholes equally divided into groups of 1-eighth*
- Use the square guide to help you draw each problem.

1.  $3 \div \frac{1}{8} =$  \_\_\_\_\_

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2.  $2 \div \frac{1}{6} =$  \_\_\_\_\_

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Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 3: Guided Practice (We Do – Continued)

**We Do Together:** (Continued)

3.  $2 \div \frac{1}{8} =$  \_\_\_\_\_

--	--

4.  $3 \div \frac{1}{2} =$  \_\_\_\_\_

--	--	--



Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 3: Guided Practice (We Do – Continued)

**You Do Together:** (Student Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: 3 wholes equally divided into groups of 1-fourth*
- Use the square guide to help you draw each problem.

5.  $3 \div \frac{1}{4} =$  \_\_\_\_\_

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6.  $2 \div \frac{1}{3} =$  \_\_\_\_\_

--	--



Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 3: Guided Practice (We Do – Continued)

**You Do Together:** (Continued)

7.  $3 \div \frac{1}{6} =$  \_\_\_\_\_

--	--	--

8.  $2 \div \frac{1}{4} =$  \_\_\_\_\_

--	--

**Learning Target:** I will divide a whole number by a unit fraction

## Session 3: Guided Practice (We Do – Teacher Notes)

**We Do Together:** (Teacher Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: How many groups of 1 eighth make up 3 wholes?*
- Use the square guide to help you draw each problem.

*3 divided into groups of 1 eighth*

1.  $3 \div \frac{1}{8} = \underline{24}$

✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
$\frac{1}{8}$ ✓	✓	✓

*2 divided into groups of 1 sixth*

2.  $2 \div \frac{1}{6} = \underline{12}$

✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
$\frac{1}{6}$ ✓	✓



## Session 3: Self-Reflection

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

Briefly discuss student responses:

- What did I learn today about dividing a whole number by a unit fraction?
  
- How confident do I feel about dividing a whole number by a unit fraction on my own?  
*(Thumbs up, down, or sideways)*



# Quick Check - Form C

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Directions:** Write the answer to each problem. (Work time: 4 minutes)

**1.**

$$3 \div \frac{1}{4} = \underline{\hspace{2cm}}$$

**2.**

$$4 \div \frac{1}{6} = \underline{\hspace{2cm}}$$

**3.**

$$5 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

**4.**

$$9 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

**5.**

$$8 \div \frac{1}{10} = \underline{\hspace{2cm}}$$

**6.**

$$3 \div \frac{1}{6} = \underline{\hspace{2cm}}$$



# Session 4: Modeling (I Do)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

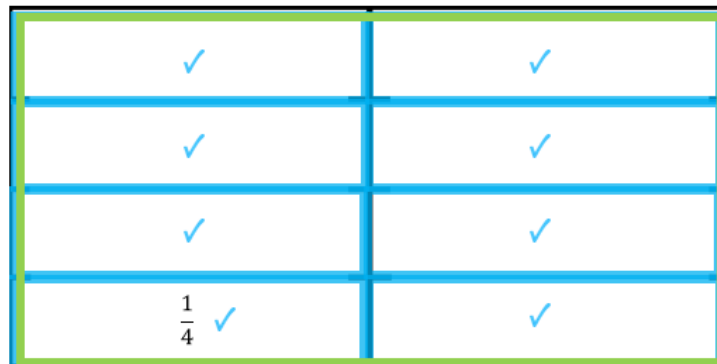
**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

Zach used an area drawing to find the answer to  $2 \div \frac{1}{4}$ . Look for structure in his drawing that would help write a multiplication problem that can be used to find the same answer.

$$2 \div \frac{1}{4} = 8$$

2 Wholes



Each part is  $\frac{1}{4}$  of a whole



# Session 4: Modeling (I Do – Visual Support)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

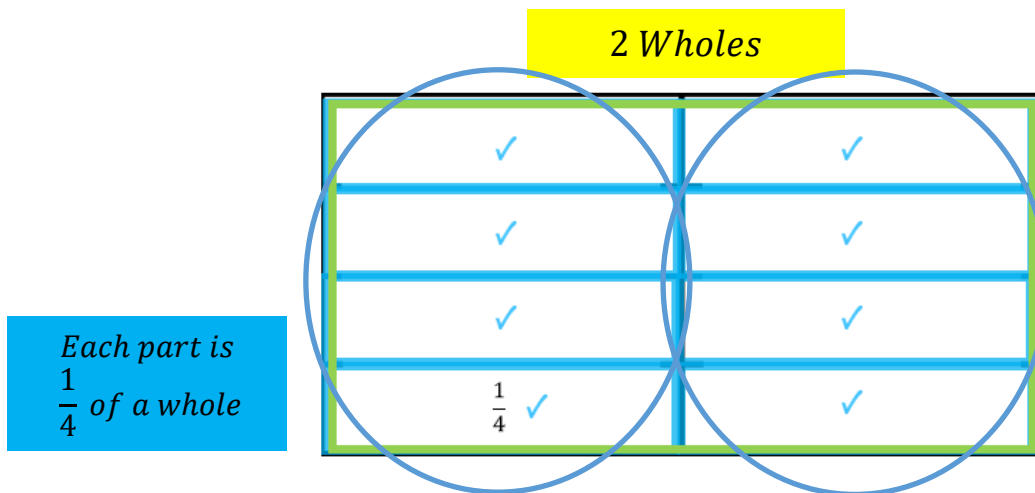
Zach used an area drawing to find the answer to  $2 \div \frac{1}{4}$ . Look for structure in his drawing that would help write a multiplication problem that can be used to find the same answer.

$$2 \div \frac{1}{4} = 8$$

$$2 \times 4 = 8$$



*Each whole has 4 equal parts*



# Session 4: Modeling (I Do - Teacher Notes)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

Zach used an area drawing to find the answer to  $2 \div \frac{1}{4}$ . Look for structure in his drawing that would help write a multiplication problem that can be used to find the same answer.

**I am going to think aloud to model solving this problem.**

**Your job is to watch, listen, think and ask questions.**

First, it is important to know what the problem is about.

This problem is about Zach using an area drawing to divide a whole number by a unit fraction.

Second, I need to determine what I need to find.

I need to write a multiplication problem that I can use to find the same answer.

Third, I need to determine what I know.

I know that the drawing shows 2 wholes separated into equal parts of 1 fourths and the answer is 8.

Fourth, I need to figure out what I can try.

I am going to try looking for a multiplication problem in the drawing.

I notice that there are 2 groups of 4 fourths.

(Draw a circle around each whole.)

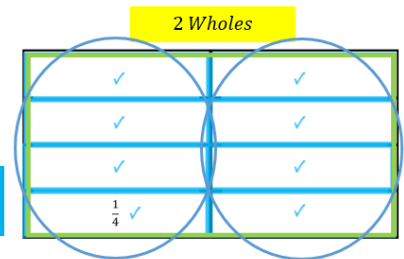
And...2 groups of 4 can be represented by the multiplication problem  $2 \times 4 = 8$ .

(Write " $2 \times 4 = 8$ " below the original division equation and write "Each whole has 4 equal parts" under the multiplication equation.)

$$2 \div \frac{1}{4} = 8$$

$$2 \times 4 = 8$$

Each whole has 4 equal parts



Can you see the multiplication problem 2 times 4 is equal to 8?

Last, I need to make sure that my answer makes sense.

I found that multiplying the whole number by the denominator of the unit fraction will result in the same answer to the division problem. It makes sense because I can see both groups of equal parts in the math drawing. Let's see if it works for all of the guided practice problems.

**Learning Target:** I will divide a whole number by a unit fraction

## Session 4: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Fold your paper to hide the math drawings. Then, multiply to find the answer to each division problem.
- Unfold your paper to check if your answer is correct.

	<b>Divide Using Multiplication</b>	<b>Check Your Work</b>
<p>1.</p> $4 \div \frac{1}{4} =$		
<p>2.</p> $3 \div \frac{1}{5} =$		
<p>3.</p> $2 \div \frac{1}{3} =$		
<p>4.</p> $3 \div \frac{1}{2} =$		

**Learning Target:** I will divide a whole number by a unit fraction

## Session 4: Guided Practice (We Do - Continued)

**You Do Together:** (As a class, or in small groups)

- Students take turns leading to find the answer to each division problem, then unfold to check each answer.

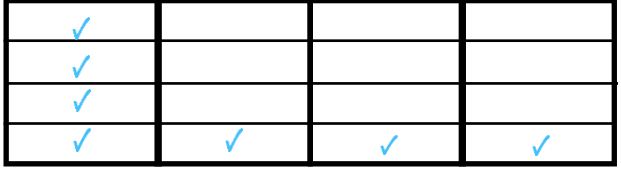
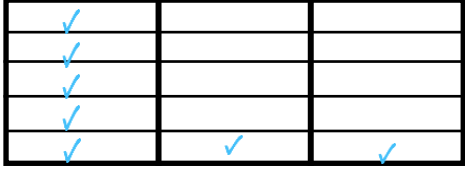
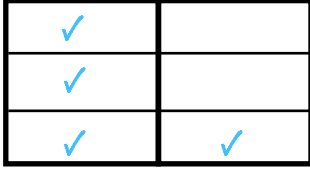
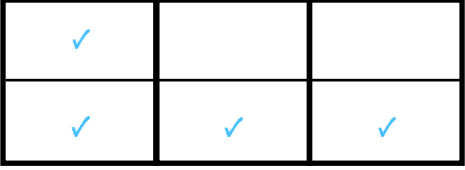
	Divide Using Multiplication	Check Your Work
5.  $4 \div \frac{1}{5} =$		<p style="text-align: center;">4 x 5</p>
6.  $3 \div \frac{1}{4} =$		<p style="text-align: center;">3 x 4</p>
7.  $2 \div \frac{1}{3} =$		<p style="text-align: center;">2 x 3</p>
8.  $4 \div \frac{1}{3} =$		<p style="text-align: center;">4 x 3</p>

**Learning Target:** I will divide a whole number by a unit fraction

## Session 4: Guided Practice (We Do – Teacher Notes)

**We Do Together:** (Teacher Actions)

- Fold your paper to hide the math drawings. Then, multiply to find the answer to each division problem.
- Unfold your paper to check if your answer is correct.

	Divide Using Multiplication	Check Your Work
1.  $4 \div \frac{1}{4} =$	$4 \times \frac{4}{1} = \frac{4 \times 4}{1 \times 1} = 16$	 $4 \times 4$
2.  $3 \div \frac{1}{5} =$	$3 \times \frac{5}{1} = \frac{3 \times 5}{1 \times 1} = 15$	 $3 \times 5$
3.  $2 \div \frac{1}{3} =$	$2 \times \frac{3}{1} = \frac{2 \times 3}{1 \times 1} = 6$	 $2 \times 3$
4.  $3 \div \frac{1}{2} =$	$3 \times \frac{2}{1} = \frac{3 \times 2}{1 \times 1} = 6$	 $3 \times 2$



## Session 4: Self-Reflection

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

Briefly discuss student responses:

- What did I learn today about dividing a whole number by a unit fraction?
  
- How confident do I feel about dividing a whole number by a unit fraction on my own?  
*(Thumbs up, down, or sideways)*



# Quick Check - Form D

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Directions:** Write the answer to each problem. (Work time: 4 minutes)

**1.**

$$2 \div \frac{1}{5} = \underline{\hspace{2cm}}$$

**2.**

$$3 \div \frac{1}{2} = \underline{\hspace{2cm}}$$

**3.**

$$5 \div \frac{1}{6} = \underline{\hspace{2cm}}$$

**4.**

$$7 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

**5.**

$$9 \div \frac{1}{6} = \underline{\hspace{2cm}}$$

**6.**

$$8 \div \frac{1}{2} = \underline{\hspace{2cm}}$$



Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 5: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: 3 wholes equally divided into groups of 1-sixth*
- Use the square guide to help you draw each problem.

1.  $3 \div \frac{1}{6} =$  \_\_\_\_\_

--	--	--

2.  $2 \div \frac{1}{4} =$  \_\_\_\_\_

--	--





Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 5: Guided Practice (We Do – Continued)

**We Do Together:** (Continued)

3.  $2 \div \frac{1}{2} =$  \_\_\_\_\_

--	--

4.  $3 \div \frac{1}{8} =$  \_\_\_\_\_

--	--	--

**Learning Target:** I will divide a whole number by a unit fraction

## Session 5: Guided Practice (We Do – Continued)

**You Do Together:** (Student Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: 3 wholes equally divided into groups of 1-half*
- Use the square guide to help you draw each problem.

5.  $3 \div \frac{1}{2} =$  \_\_\_\_\_

--	--	--

6.  $2 \div \frac{1}{6} =$  \_\_\_\_\_

--	--



Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 5: Guided Practice (We Do – Continued)

**You Do Together:** (Continued)

7.  $3 \div \frac{1}{4} =$  \_\_\_\_\_

--	--	--

8.  $2 \div \frac{1}{8} =$  \_\_\_\_\_

--	--



# Session 5: Self-Reflection

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

Briefly discuss student responses:

- What did I learn today about dividing a whole number by a unit fraction?
  
- How confident do I feel about dividing a whole number by a unit fraction on my own?  
*(Thumbs up, down, or sideways)*



# Quick Check - Form E

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Directions:** Write the answer to each problem. (Work time: 4 minutes)

**1.**

$$2 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

**2.**

$$3 \div \frac{1}{4} = \underline{\hspace{2cm}}$$

**3.**

$$6 \div \frac{1}{4} = \underline{\hspace{2cm}}$$

**4.**

$$5 \div \frac{1}{9} = \underline{\hspace{2cm}}$$

**5.**

$$9 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

**6.**

$$2 \div \frac{1}{4} = \underline{\hspace{2cm}}$$



Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 6: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: 3 wholes equally divided into groups of 1-eighth*
- Use the square guide to help you draw each problem.

1.  $3 \div \frac{1}{8} =$  \_\_\_\_\_

--	--	--

2.  $2 \div \frac{1}{6} =$  \_\_\_\_\_

--	--



Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 6: Guided Practice (We Do – Continued)

**We Do Together:** (Continued)

3.  $2 \div \frac{1}{8} =$  \_\_\_\_\_

--	--

4.  $3 \div \frac{1}{2} =$  \_\_\_\_\_

--	--	--



Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 6: Guided Practice (We Do – Continued)

**You Do Together:** (Student Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: 3 wholes equally divided into groups of 1-fourth*
- Use the square guide to help you draw each problem.

5.  $3 \div \frac{1}{4} =$  \_\_\_\_\_

--	--	--

6.  $2 \div \frac{1}{3} =$  \_\_\_\_\_

--	--





Name \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Session 6: Guided Practice (We Do – Continued)

**You Do Together:** (Continued)

7.  $3 \div \frac{1}{6} =$  \_\_\_\_\_

--	--	--

8.  $2 \div \frac{1}{4} =$  \_\_\_\_\_

--	--



# Session 6: Self-Reflection

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

Briefly discuss student responses:

- What did I learn today about dividing a whole number by a unit fraction?
  
- How confident do I feel about dividing a whole number by a unit fraction on my own?  
*(Thumbs up, down, or sideways)*



# Quick Check - Form F

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Directions:** Write the answer to each problem. (Work time: 4 minutes)

**1.**

$$4 \div \frac{1}{5} = \underline{\hspace{2cm}}$$

**2.**

$$2 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

**3.**

$$5 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

**4.**

$$8 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

**5.**

$$9 \div \frac{1}{7} = \underline{\hspace{2cm}}$$

**6.**

$$3 \div \frac{1}{6} = \underline{\hspace{2cm}}$$

**Learning Target:** I will divide a whole number by a unit fraction

## Session 7: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: 3 wholes equally divided into groups of 1-eighth*
- Multiply to find the answer to each division problem. Then, sketch the division problem to check your answer.

1.  $2 \div \frac{1}{8} =$  \_\_\_\_\_

--	--

2.  $3 \div \frac{1}{6} =$  \_\_\_\_\_

--	--	--

3.  $4 \div \frac{1}{3} =$  \_\_\_\_\_

--	--	--	--

4.  $5 \div \frac{1}{4} =$  \_\_\_\_\_

--	--	--	--	--

**Learning Target:** I will divide a whole number by a unit fraction

## Session 7: Guided Practice (We Do – Continued)

**You Do Together:** (Student Actions)

- Students take turns leading to restating each division problem. Then, multiply to find the answer to each division problem and sketch the original problem to check your answer.

5.  $2 \div \frac{1}{6} =$  \_\_\_\_\_

--	--

6.  $3 \div \frac{1}{4} =$  \_\_\_\_\_

--	--	--	--

7.  $4 \div \frac{1}{8} =$  \_\_\_\_\_

--	--	--	--

8.  $5 \div \frac{1}{6} =$  \_\_\_\_\_

--	--	--	--	--



# Session 7: Self-Reflection

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

Briefly discuss student responses:

- What did I learn today about dividing a whole number by a unit fraction?
  
- How confident do I feel about dividing a whole number by a unit fraction on my own?  
*(Thumbs up, down, or sideways)*



# Quick Check - Form G

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Directions:** Write the answer to each problem. (Work time: 4 minutes)

**1.**

$$3 \div \frac{1}{4} = \underline{\hspace{2cm}}$$

**2.**

$$4 \div \frac{1}{6} = \underline{\hspace{2cm}}$$

**3.**

$$5 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

**4.**

$$9 \div \frac{1}{3} = \underline{\hspace{2cm}}$$

**5.**

$$8 \div \frac{1}{10} = \underline{\hspace{2cm}}$$

**6.**

$$3 \div \frac{1}{6} = \underline{\hspace{2cm}}$$

**Learning Target:** I will divide a whole number by a unit fraction

## Session 8: Guided Practice (We Do)

**We Do Together:** (Teacher Actions)

- Restate each division problem based on your conceptual understanding.  
*Example: 3 wholes equally divided into groups of 1-eighth*
- Multiply to find the answer to each division problem. Then, sketch the division problem to check your answer.

1.  $2 \div \frac{1}{5} =$  \_\_\_\_\_

--	--

2.  $3 \div \frac{1}{8} =$  \_\_\_\_\_

--	--	--

3.  $4 \div \frac{1}{7} =$  \_\_\_\_\_

--	--	--	--

4.  $5 \div \frac{1}{3} =$  \_\_\_\_\_

--	--	--	--	--



**Learning Target:** I will divide a whole number by a unit fraction

## Session 8: Guided Practice (We Do – Continued)

**You Do Together:** (Student Actions)

- Students take turns leading to restating each division problem. Then, multiply to find the answer to each division problem and sketch the original problem to check your answer.

5.  $2 \div \frac{1}{8} =$  \_\_\_\_\_

--	--

6.  $3 \div \frac{1}{6} =$  \_\_\_\_\_

--	--	--

7.  $4 \div \frac{1}{5} =$  \_\_\_\_\_

--	--	--	--

8.  $5 \div \frac{1}{4} =$  \_\_\_\_\_

--	--	--	--	--



## Session 8: Self-Reflection

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

Briefly discuss student responses:

- What did I learn today about dividing a whole number by a unit fraction?
  
- How confident do I feel about dividing a whole number by a unit fraction on my own?  
*(Thumbs up, down, or sideways)*



# Quick Check - Form H

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

Name \_\_\_\_\_ Date \_\_\_\_\_

**Learning Target:** I will divide a whole number by a unit fraction.

**Directions:** Write the answer to each problem. (Work time: 4 minutes)

**1.**

$$2 \div \frac{1}{5} = \underline{\hspace{2cm}}$$

**2.**

$$3 \div \frac{1}{2} = \underline{\hspace{2cm}}$$

**3.**

$$5 \div \frac{1}{6} = \underline{\hspace{2cm}}$$

**4.**

$$7 \div \frac{1}{8} = \underline{\hspace{2cm}}$$

**5.**

$$9 \div \frac{1}{6} = \underline{\hspace{2cm}}$$

**6.**

$$8 \div \frac{1}{2} = \underline{\hspace{2cm}}$$



# Independent Practice (You Do)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

**Readiness** for multiplying and dividing fractions

**Title of Game:** Play “Division Match-up!”

**Number of Players:** 2

**Objective:** To match your answer cards to unknown problem cards.

**Materials:**

- 1 set of **Problem** and **Answer** cards per group
- 1 recording sheet per player

**Set-up:**

- Deal all 10 **Problem** cards face down in a row.
- Deal 5 **Answer** cards face up to each player.

**Directions:**

- **Player 1** goes first
  - Take a card from the row of face down **Problem** cards and turn it face up
  - Write the problem on the recording sheet
- If **Player 1** has the **Answer** card, place it face up on top of the **Problem** card, take both cards and say:  
*“The answer to \_\_\_ is equal to \_\_\_.”*
- If **Player 1** does not have the answer to the **Problem** card, turn the **Problem** card back over.
- **Players 1 and 2** alternate turns. The **winner** is the first player to match all 5 of their cards.



Names \_\_\_\_\_

Date \_\_\_\_\_

6<sup>th</sup> Grade - RS 7 - 5.NF.7b

**Learning Target:** I will divide a whole number by a unit fraction

## Independent Practice: Division Match-up!

*(Recording Sheet)*




# Problem Cards (Set A<sub>1</sub> and A<sub>2</sub>)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Storage Suggestions:** Copy the **Problem (Set A)** cards and **Answer (Set A)** cards in two different colors.

Store 1 set of each in a sealable bag for each pair of students.

Set A <sub>1</sub>	$2 \div \frac{1}{2}$ Set A <sub>1</sub>	$3 \div \frac{1}{2}$ Set A <sub>1</sub>	$4 \div \frac{1}{2}$ Set A <sub>1</sub>	$5 \div \frac{1}{2}$ Set A <sub>1</sub>
	$6 \div \frac{1}{3}$ Set A <sub>1</sub>	$3 \div \frac{1}{3}$ Set A <sub>1</sub>	$4 \div \frac{1}{3}$ Set A <sub>1</sub>	$5 \div \frac{1}{3}$ Set A <sub>1</sub>
	$6 \div \frac{1}{4}$ Set A <sub>1</sub>	$7 \div \frac{1}{4}$ Set A <sub>1</sub>		
Set A <sub>2</sub>	$2 \div \frac{1}{2}$ Set A <sub>2</sub>	$3 \div \frac{1}{2}$ Set A <sub>2</sub>	$4 \div \frac{1}{2}$ Set A <sub>2</sub>	$5 \div \frac{1}{2}$ Set A <sub>2</sub>
	$6 \div \frac{1}{3}$ Set A <sub>2</sub>	$3 \div \frac{1}{3}$ Set A <sub>2</sub>	$4 \div \frac{1}{3}$ Set A <sub>2</sub>	$5 \div \frac{1}{3}$ Set A <sub>2</sub>
	$6 \div \frac{1}{4}$ Set A <sub>2</sub>	$7 \div \frac{1}{4}$ Set A <sub>2</sub>		



# Answer Cards (Set A<sub>1</sub> and A<sub>2</sub>)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Storage Suggestions:** Copy the **Problem (Set A)** cards and **Answer (Set A)** cards in two different colors.  
Store 1 set of each in a sealable bag for each pair of students.

Set A <sub>1</sub>	4 Set A <sub>1</sub>	6 Set A <sub>1</sub>	8 Set A <sub>1</sub>	10 Set A <sub>1</sub>
	18 Set A <sub>1</sub>	9 Set A <sub>1</sub>	12 Set A <sub>1</sub>	15 Set A <sub>1</sub>
	24 Set A <sub>1</sub>	28 Set A <sub>1</sub>		
Set A <sub>2</sub>	4 Set A <sub>2</sub>	6 Set A <sub>2</sub>	8 Set A <sub>2</sub>	10 Set A <sub>2</sub>
	18 Set A <sub>2</sub>	9 Set A <sub>2</sub>	12 Set A <sub>2</sub>	15 Set A <sub>2</sub>
	24 Set A <sub>2</sub>	28 Set A <sub>2</sub>		



# Problem Cards (Set B<sub>1</sub> and B<sub>2</sub>)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Storage Suggestions:** Copy the **Problem (Set B)** cards and **Answer (Set B)** cards in two different colors.

Store 1 set of each in a sealable bag for each pair of students.

Set B <sub>1</sub>	$2 \div \frac{1}{6}$ Set B <sub>1</sub>	$3 \div \frac{1}{6}$ Set B <sub>1</sub>	$4 \div \frac{1}{6}$ Set B <sub>1</sub>	$2 \div \frac{1}{7}$ Set B <sub>1</sub>
	$3 \div \frac{1}{7}$ Set B <sub>1</sub>	$4 \div \frac{1}{7}$ Set B <sub>1</sub>	$2 \div \frac{1}{8}$ Set B <sub>1</sub>	$5 \div \frac{1}{8}$ Set B <sub>1</sub>
	$4 \div \frac{1}{8}$ Set B <sub>1</sub>	$5 \div \frac{1}{9}$ Set B <sub>1</sub>		
Set B <sub>2</sub>	$2 \div \frac{1}{6}$ Set B <sub>2</sub>	$3 \div \frac{1}{6}$ Set B <sub>2</sub>	$4 \div \frac{1}{6}$ Set B <sub>2</sub>	$2 \div \frac{1}{7}$ Set B <sub>2</sub>
	$3 \div \frac{1}{7}$ Set B <sub>2</sub>	$4 \div \frac{1}{7}$ Set B <sub>2</sub>	$2 \div \frac{1}{8}$ Set B <sub>2</sub>	$5 \div \frac{1}{8}$ Set B <sub>2</sub>
	$4 \div \frac{1}{8}$ Set B <sub>2</sub>	$5 \div \frac{1}{9}$ Set B <sub>2</sub>		





# Answer Cards (Set B<sub>1</sub> and B<sub>2</sub>)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Storage Suggestions:** Copy the **Problem (Set B)** cards and **Answer (Set B)** cards in two different colors.

Store 1 set of each in a sealable bag for each pair of students.

Set B <sub>1</sub>	12 Set B <sub>1</sub>	18 Set B <sub>1</sub>	24 Set B <sub>1</sub>	14 Set B <sub>1</sub>
	21 Set B <sub>1</sub>	28 Set B <sub>1</sub>	16 Set B <sub>1</sub>	40 Set B <sub>1</sub>
	32 Set B <sub>1</sub>	45 Set B <sub>1</sub>		
Set B <sub>2</sub>	12 Set B <sub>2</sub>	18 Set B <sub>2</sub>	24 Set B <sub>2</sub>	14 Set B <sub>2</sub>
	21 Set B <sub>2</sub>	28 Set B <sub>2</sub>	16 Set B <sub>2</sub>	40 Set B <sub>2</sub>
	32 Set B <sub>2</sub>	45 Set B <sub>2</sub>		



# Problem Cards (Set C<sub>1</sub> and C<sub>2</sub>)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Storage Suggestions:** Copy the **Problem (Set C)** cards and **Answer (Set C)** cards in two different colors.

Store 1 set of each in a sealable bag for each pair of students.

Set C <sub>1</sub>	$6 \div \frac{1}{3}$ Set C <sub>1</sub>	$7 \div \frac{1}{3}$ Set C <sub>1</sub>	$8 \div \frac{1}{4}$ Set C <sub>1</sub>	$9 \div \frac{1}{3}$ Set C <sub>1</sub>
	$6 \div \frac{1}{6}$ Set C <sub>1</sub>	$7 \div \frac{1}{5}$ Set C <sub>1</sub>	$8 \div \frac{1}{6}$ Set C <sub>1</sub>	$9 \div \frac{1}{6}$ Set C <sub>1</sub>
	$7 \div \frac{1}{7}$ Set C <sub>1</sub>	$8 \div \frac{1}{8}$ Set C <sub>1</sub>		
Set C <sub>2</sub>	$6 \div \frac{1}{3}$ Set C <sub>2</sub>	$7 \div \frac{1}{3}$ Set C <sub>2</sub>	$8 \div \frac{1}{4}$ Set C <sub>2</sub>	$9 \div \frac{1}{3}$ Set C <sub>2</sub>
	$6 \div \frac{1}{6}$ Set C <sub>2</sub>	$7 \div \frac{1}{5}$ Set C <sub>2</sub>	$8 \div \frac{1}{6}$ Set C <sub>2</sub>	$9 \div \frac{1}{6}$ Set C <sub>2</sub>
	$7 \div \frac{1}{7}$ Set C <sub>2</sub>	$8 \div \frac{1}{8}$ Set C <sub>2</sub>		



# Answer Cards (Set C<sub>1</sub> and C<sub>2</sub>)

6<sup>th</sup> Grade - Readiness Standard 7 - 5.NF.7b

**Storage Suggestions:** Copy the **Problem (Set C)** cards and **Answer (Set C)** cards in two different colors.

Store 1 set of each in a sealable bag for each pair of students.

Set C <sub>1</sub>	18 Set C <sub>1</sub>	21 Set C <sub>1</sub>	32 Set C <sub>1</sub>	27 Set C <sub>1</sub>
	36 Set C <sub>1</sub>	35 Set C <sub>1</sub>	48 Set C <sub>1</sub>	54 Set C <sub>1</sub>
	49 Set C <sub>1</sub>	64 Set C <sub>1</sub>		
Set C <sub>2</sub>	18 Set C <sub>2</sub>	21 Set C <sub>2</sub>	32 Set C <sub>2</sub>	27 Set C <sub>2</sub>
	36 Set C <sub>2</sub>	35 Set C <sub>2</sub>	48 Set C <sub>2</sub>	54 Set C <sub>2</sub>
	49 Set C <sub>2</sub>	64 Set C <sub>2</sub>		



# Questions for Solving Word Problems

$Q_1$

*What is the problem about?*

$Q_2$

*What do I need to find?*

$Q_3$

*What do I know?*

$Q_4$

*What can I try?*

$Q_5$

*Does my answer make sense?*



# Steps for Solving Word Problems

*Q<sub>1</sub>. What is the problem about?*

*Q<sub>2</sub>. What do I need to find?*

*Q<sub>3</sub>. What do I know?*

*Q<sub>4</sub>. What can I try?*

*Q<sub>5</sub>. Does my answer make sense?*