

# Tier 3 Intervention Lessons

4.NBT.5

Learning Target: I will multiply multi-digit numbers

Readiness for 5.NBT.5: Multiply multi-digit whole numbers using the standard algorithm

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## **Tier 3 Intervention Planning Guide**

Learning Target: I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

	Recommended Actions
<b>Beginning</b> (5 min.)	<ul> <li>Review the learning target with the whole group</li> <li>Ask each student to set a goal for the day based on their previous Quick Check Score</li> <li>Have each student use a highlighter to plot their goal for the day</li> </ul>
<b>Middle</b> (15 min.)	<ul> <li>Model solving a word problem – "I do" (Sessions 1, 3 and 6 only)</li> <li>Guided Practice – "We do"</li> <li>Sessions 1 and 2: Multiply multi-digit numbers using base-ten blocks and place-value cards</li> <li>Sessions 3, 4 and 5: Multiply multi-digit numbers using area model drawings to find sub-totals</li> <li>Sessions 6, 7 and 8: Multiply multi-digit numbers using place-value understanding</li> </ul>
<b>End</b> (10 min.)	<ul> <li>Bring the students back together.</li> <li>Ask students to reflect on their progress towards the learning target         <ul> <li>What did I learn today about multiplying multi-digit numbers?</li> <li>How confident do you feel about multiplying multi-digit numbers on my own?</li></ul></li></ul>
After Session 6	<ul> <li>Differentiation Options:         <ul> <li>Allow students who met the learning goal to work independently while others do the guided practice during the next session</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 do not meet the learning goal within 8 sessions</li> </ul>



#### Session 1: Modeling (I Do)

**Learning Target:** I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

The principal of Delta Elementary brought 3 dozen donuts to the staff room for teacher appreciation day. There are 12 donuts in one dozen. How many donuts did the principal bring to the staff room?

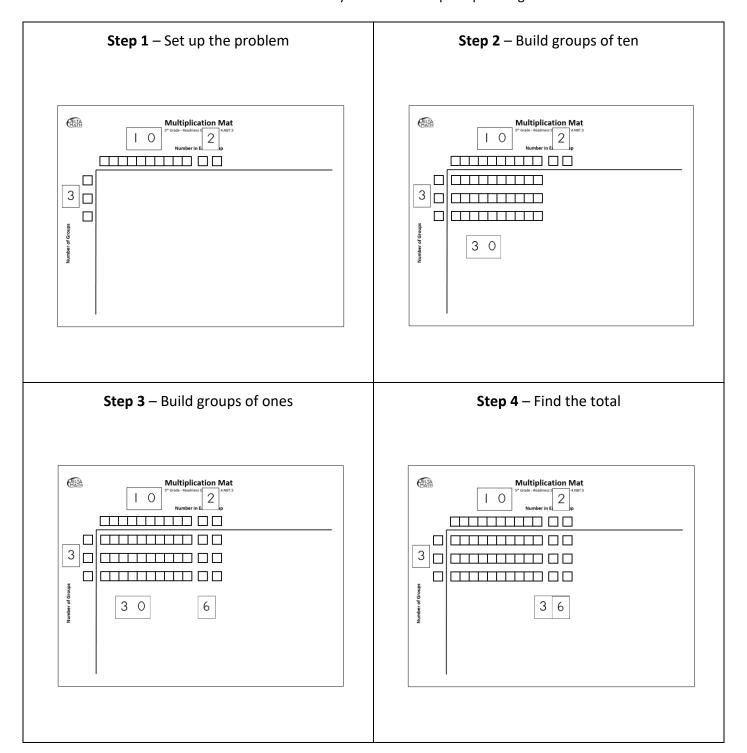


#### **Session 1: Modeling** (I Do – Visual Support)

Learning Target: I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

The principal of Delta Elementary brought 3 dozen donuts to the staff room for teacher appreciation day. There are 12 donuts in one dozen. How many donuts did the principal bring to the staff room?





#### **Session 1: Modeling** (I Do - Teacher Notes)

**Learning Target:** I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

The principal of Delta Elementary brought 3 dozen donuts to the staff room for teacher appreciation day. There are 12 donuts in one dozen. How many donuts did the principal bring to the staff room?

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.

The problem is about donuts the principal brought for teacher appreciation day.

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

I need to find the total number of donuts that the principal brought.

Third, I need to determine what I know.

I know that the principal brought 3 dozen donuts and there are 12 donuts in each dozen.

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

I am going to try using base-ten blocks and place-value cards to find out how many donuts the principal brought.

I will begin setting up the multiplication problem by representing the 3 groups vertically on the left side of the mat and the 12 in each group horizontally above the mat.

(Build each number on the multiplication mat using blocks and cards.)

Now, I'm going to find the total in 3 groups of 12 by placing 3 groups of 10 on the mat.

(Build the 3 groups of 10 on the multiplication mat using blocks and cards.)

**3 groups of ten is equal to 30.** (Slide the 30 place-value card below the tens.)

Next, I'm going to place 3 groups of 2 on the mat.

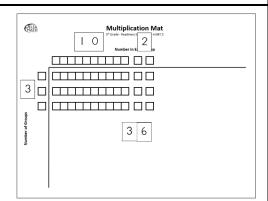
(Build the 3 groups of 2 inside the multiplication mat using blocks and cards.)

**3 groups of 2 is equal to 6.** (Slide the 6 place-value card below the ones.)

**The total of 30 and 6 is equal to 36.** (Slide the 6 on top of the 30 place-value card to create the standard form, 36.)

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

I found that the principal brought 36 donuts to the staff room. It makes sense because there are 12 donuts in each dozen and I built 3 groups of 12 using base-ten blocks. Then, I added the total value of tens and total value of ones to find the total.



# Place-Value Cards (1 → 100)

Less Than	Sreater Than	Equal to	+ -	- X	•
5		0		O	0
<b>L</b>	9	5	0	9	O
3	8	L	0	8	O
2	7	3	0	7	O
	6	2	0	6	O



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

Learning Target: I will multiply multi-digit numbers

### Session 1: Guided Practice (We Do)

#### **Materials:**

- > Base-Ten Blocks (1 hundred, 20 tens and 20 ones)
- ➤ Place-value Cards (2 sets)
- Multiplication Mat

We Do Together: (Teacher Actions)

- > Say the multiplication problem.
- > Use base-ten blocks and place-value cards to help you multiply the numbers and write the answer.

1. 2 x 16	2. 6 x 12
3. 12 x 16	4. 11 x 17

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

> Students take turns leading and repeat the steps to multiply the numbers.

5.	6.
7 x 13	3 x 17
7.	8.
13 x 17	12 x 15



#### **Session 1: Self-Reflection**

**Learning Target:** I will multiply multi-digit numbers

Briefly discuss student responses

- ➤ What did I learn today about multiplying multi-digit numbers?
- ➤ How confident do I feel about multiplying multi-digit numbers on my own? (*Thumbs up, down, or sideways*)

## **Quick Check - Form A**

Name	Date
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**Learning Target:** I will multiply multi-digit numbers.

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

1.	2.

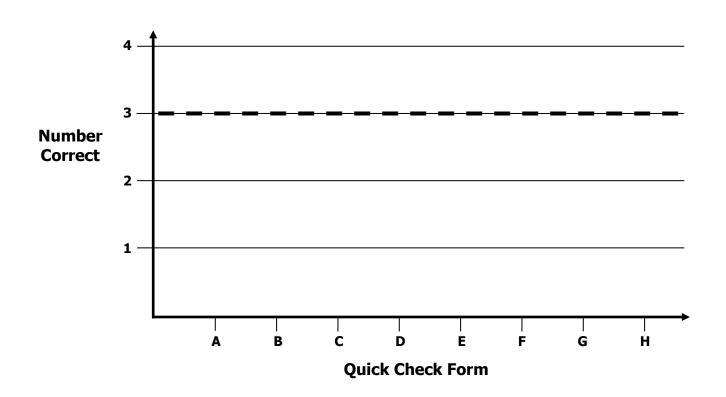


#### **Growth Chart**

Name	Date
------	------

**Learning Target:** I will multiply multi-digit numbers.

Goal: 3 out of 4 correct



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



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

Learning Target: I will multiply multi-digit numbers

#### Session 2: Guided Practice (We Do)

#### **Materials:**

- Base-Ten Blocks (1 hundred, 20 tens and 20 ones)
- Place-value Cards (2 sets See Session 1)
- Multiplication Mat

We Do Together: (Teacher Actions)

- > Say the multiplication problem.
- > Use base-ten blocks and place-value cards to help you multiply the numbers and write the answer.

1. 3 x 14	2. 4 x 13
3. 13 x 14	4. 12 x 18

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

> Students take turns leading and repeat the steps to multiply the numbers.

5.	6.
6 x 12	2 x 16
7.	8.
12 x 17	13 x 16



#### **Session 2: Self-Reflection**

Learning Target: I will multiply multi-digit numbers

Briefly discuss student responses

- ➤ What did I learn today about multiplying multi-digit numbers?
- ➤ How confident do I feel about multiplying multi-digit numbers on my own? (*Thumbs up, down, or sideways*)

#### **Quick Check - Form B**

Name	Date
------	------

**Learning Target:** I will multiply multi-digit numbers.

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

1.	2.
----	----

<u>x 24</u>



#### Session 3: Modeling (I Do)

Learning Target: I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

A candy store ordered 9 cases of dark chocolate. Each case holds 125 individually wrapped squares of chocolate. How many squares of dark chocolate did the candy store order?



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

Learning Target: I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

A candy store ordered 9 cases of dark chocolate. Each case holds 125 individually wrapped squares of chocolate. How many squares of dark chocolate did the candy store order?

E		12	5 per case		
Set up the problem		100	+ 20	+ 5	
e pr		100	20		1
the	9 Cases				
t up					
Se					1
sle		12!	5 per case		
Find the sub-totals		100	+ 20	+ 5	
e suk	9 Cases	9 x 100	9 x 20	9 x 5	
d th	5 cases	900	180	45	
Fin					J
als					
Record the sub-totals		100	+ 20	+ 5	
lns a		9 x 100	9 x 20	9 x 5	900
‡ ‡	9 Cases	900	180	45	180 45
CO		300	180	43	
Re					
_		12!	per case		
tota		100	+ 20	+ 5	
Find the total		9 x 100	9 x 20	9 x 5	900
d d	9 Cases	900	180	45	180 +45
⊆		1 300			
Ë		900	100		+ 1 4 5 1, 1 2 5



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

**Learning Target:** I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

A candy store ordered 9 cases of dark chocolate. Each case holds 125 individually wrapped squares of chocolate. How many squares of dark chocolate did the candy store order?

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.

The problem is about a candy store ordering individually wrapped squares of dark chocolate.

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

I need to find how many squares of dark chocolate the candy store ordered.

Third, I need to determine what I know.

I know that a candy store ordered 9 cases and each case holds 125 squares.

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

Since this problem includes hundreds, tens and ones, I think using blocks would be more difficult, so I will draw an area model to help me find the total number of squares of dark chocolate.

125 per case

9 Cases 9 x 100 + 20 + 5 9 x 100 9 x 20 9 x 5 900 180 45

900 180 + 45 1,125

I will begin drawing a rectangle, similar to the shape created when we multiplied using base ten blocks. (Draw a rectangle and label the sides with "9 Cases" and "125 per case".)

Next, I will separate the area into 3 sections to represent each place-value of 125...hundreds, tens and ones. (Draw vertical lines inside the rectangle.)

Now, I will separate 125 into each place-value across the top of the rectangle and find each area separately. (Write "100 + 20 + 5".)

To find the total number of hundreds, I need to multiply 9 times 1 hundred. (Write "9 x 100")

9 times 1 hundred is 9 hundreds...which is equal to 900. (Write "900")

To find the total number of tens, I need to multiply 9 times 2 tens. (Write "9 x 20")

9 times 2 tens is 18 tens...which is equal to 180. (Write "900")



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

Learning Target: I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

125 per case

9 x 100 + 20 + 5
9 x 100 9 x 20 9 x 5
900 180 45

900 180 + 45 1.125

To find the total number of ones, I need to multiply 9 times 5 ones. (Write "9 x 5")

9 times 5 ones is 45 ones. (Write "45")

It is easier to combine the sub-totals by rewriting them next to the drawing as an addition problem.

(Write the sub-totals as an addition problem next to the drawing.)

0 ones plus 0 ones plus 5 ones is 5 ones.

(Point to the digits in the ones column. Then, write 5 in the ones-digit of the answer.)

0 tens plus 8 tens plus 4 tens is 12 tens.

(Point to the digits in the tens column.)

12 tens is equal to 1 hundred and 2 tens. I will write this new hundred below and the 2 tens in the answer.

(Write a small 1 on the answer line in the hundreds column. Then, write a 2 in the tens-digit of the answer.)

9 hundreds plus 1 hundred plus this new hundred is 11 hundreds.

(Point to the digits in the hundreds column.)

11 hundreds is equal to 1 thousand 1 hundred. I will write the new thousand below and 1 hundred in the answer.

(Write the new thousand on the answer line. Then, write a 1 in the hundreds-digit of the answer.)

Lastly, this new thousand needs to be included in the answer.

(Write the 1 in the thousands-digit of the answer.)

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

I found that 1,125 squares of chocolate were ordered. It makes sense because I represented 9 groups of 125 using an area model drawing. Then, I multiplied 9 times each place-value to help me find the total.



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

Learning Target: I will multiply multi-digit numbers

## Session 3: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- > Say the multiplication problem.
- > Use an area model drawing to help you multiply the numbers.

1.	284	
	<u>x 7</u>	
2.	1527	
	<u>x 4</u>	
3.	Ω 4	
	8 4 <u>x 2 3</u>	



Learning Target: I will multiply multi-digit numbers

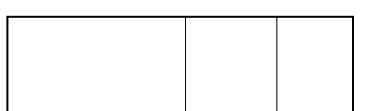
## Session 3: Guided Practice (We Do - Continued)

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

> Students take turns leading to multiply multi-digit numbers.

3 7 5

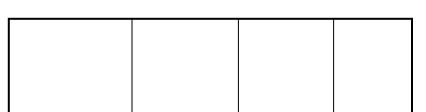
<u>x 6</u>



5.

1639

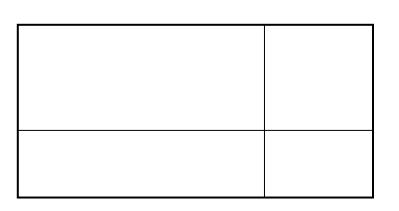
<u>x 5</u>



6.

68

x 37





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

Learning Target: I will multiply multi-digit numbers

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

We Do Together: (Teacher Actions)

> Say the multiplication problem.

> Use an area model drawing to help you multiply the numbers.

1.

$$\begin{array}{r}
284 \\
x 7 \\
1400 \\
560 \\
+ 28
\end{array}$$

1988

7

	200	+	80	+	4
7	7 x 200 1400		7 x 80 560		7 x 4 28

2.

1	5	2	7
X			4
4	0	0	0
2	0	0	0
		8	0
+	1	2	8
6,			

4

1000	+ 500	+	20	+	7
4 x 1000	4 x 500		4 x 20		4 x 7
4000	2000		80		28

**3.** 

8 4	
<u>x 23</u>	
1600	
2 4 0	
8 0	
+ 12	
1, 9 3 2	

2

	80 -	+ 4
	20 x 80	20 x 4
20	1600	80
+		
	3 x 80	3 x 4
3	240	12



#### **Session 3: Self-Reflection**

Learning Target: I will multiply multi-digit numbers

Briefly discuss student responses

- ➤ What did I learn today about multiplying multi-digit numbers?
- ➤ How confident do I feel about multiplying multi-digit numbers on my own? (*Thumbs up, down, or sideways*)

## **Quick Check - Form C**

Name	Date

**Learning Target:** I will multiply multi-digit numbers.

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

1.	2.

**x** 32



Name	Date
------	------

Learning Target: I will multiply multi-digit numbers

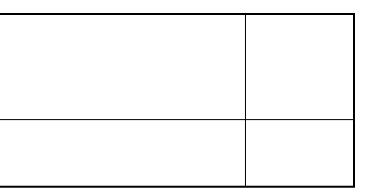
## Session 4: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- > Say the multiplication problem.
- > Use an area model drawing to help you multiply the numbers.

1.	296 <u>x 7</u>				
	<u>x 7</u>				
		L			
2.					
	1638				
	<u>x 3</u>				

3. 7 9 x 4 6





Name	Date
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Learning Target: I will multiply multi-digit numbers

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

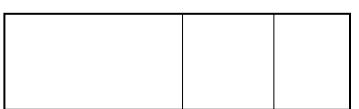
You Do Together: (As a class, or in small groups)

> Students take turns leading to multiply multi-digit numbers.

4	ŀ	•

387

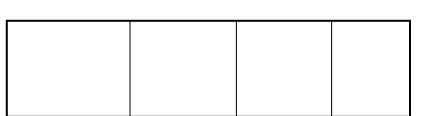
<u>x 6</u>



5.

1728

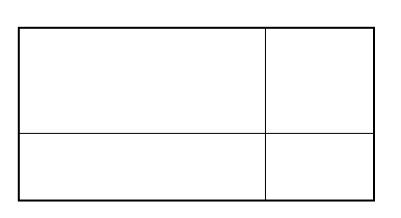
<u>x 5</u>



**6.** 

86

x 39





#### **Session 4: Self-Reflection**

Learning Target: I will multiply multi-digit numbers

Briefly discuss student responses

- ➤ What did I learn today about multiplying multi-digit numbers?
- ➤ How confident do I feel about multiplying multi-digit numbers on my own? (*Thumbs up, down, or sideways*)

#### **Quick Check - Form D**

Name	Date
------	------

**Learning Target:** I will multiply multi-digit numbers.

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

1.	2.
675	3748



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

Learning Target: I will multiply multi-digit numbers

## Session 5: Guided Practice (We Do)

We Do Together: (Teacher Actions)

- > Say the multiplication problem.
- > Use an area model drawing to help you multiply the numbers.

1.					
	3 7 9				
				T	 1
	<u>x 6</u>				
					1
2.					
	2896				
					1
	<u>x 3</u>				
3.					
	68				
		[			1
	<u>x 37</u>				



Name	Date
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Learning Target: I will multiply multi-digit numbers

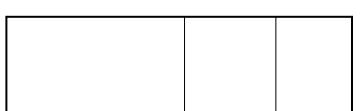
## Session 5: Guided Practice (We Do - Continued)

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

> Students take turns leading to multiply multi-digit numbers.

376

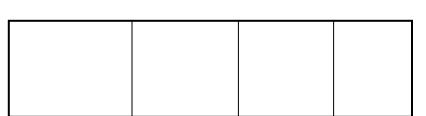
<u>x 8</u>



5.

1937

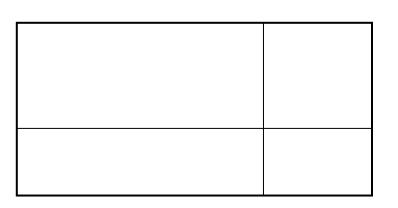
<u>x 9</u>



**6.** 

96

x 47





#### **Session 5: Self-Reflection**

Learning Target: I will multiply multi-digit numbers

Briefly discuss student responses

- ➤ What did I learn today about multiplying multi-digit numbers?
- ➤ How confident do I feel about multiplying multi-digit numbers on my own? (*Thumbs up, down, or sideways*)



## **Quick Check - Form E**

Name	Date		
Learning Target: I will multiply multi-digit numbers.  Directions: Write the answer to each problem. (We			
<b>Directions:</b> Write the answer to each problem. (Wo	rk time: 4 minutes)		
1.	2.		
2.0.6	2.5.0.1		
3 9 6 × 4	2581 v 6		
<u>x 4</u>	<u>x 6</u>		
3.	4.		
4 6	2 8		
<u>x 13</u>	<u>x 35</u>		



#### Session 6: Modeling (I Do)

Learning Target: I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

A softball league director is ordering softballs. She plans to order one case for each team in the league. How many softballs will be ordered 9 teams if each case holds 25 softballs?



#### **Session 6: Modeling** (I Do - Teacher Notes)

**Learning Target:** I will multiply multi-digit numbers

Readiness for multiplying multi-digit numbers using the standard algorithm

A softball league director is ordering softballs. She plans to order one case for each team in the league. How many softballs will be ordered 9 teams if each case holds 25 softballs?

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

This problem is about a softball league director ordering softballs.

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

I need to find how many softballs will be ordered.

Third, I need to determine what I know.

I know that there are 9 teams in the league and each team will receive a case with 25 softballs.

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

This time, I am going to use my understanding of place value to help me find the total number of softballs.

I will begin by writing what I know...25 softballs per team...and there are 9 teams...which can be calculated using **multiplication.** (Write the multiplication problem and labels.)

When I reflect back to the multiplication drawings, I remember breaking 2-digit numbers into tens and ones.

9 times 2 tens is 18 tens...which is equal to 1 hundred, 8 tens and 0 ones.

(Point to the 9 and tens digit, 2. Then, write 180 as the first sub-total.)

2 5 Softballs per team Also, 9 times 5 ones is 45 ones...which is equal to 4 tens and 5 ones.

x 9 Teams

(Write 45 as the second sub-total.)

To find the total, I must add the sub-totals.

225 Softballs (Write the "+" sign and answer line.)

0 ones plus 5 ones is 5 ones.

(Point to the 0 and 5 in the ones column. Then, write 5 in the ones-digit of the answer.)

8 tens plus 4 tens is 12 tens...which has the same value as 1 hundred and 2 tens.

(Point to the 8 and 4 in the tens column. Then, write the new hundred on the answer line and the 2 tens in answer.)

1 hundred plus this new hundred below is 2 hundreds.

(Point to the digits in the hundreds column. Then, write 2 in the hundreds-digit of the answer.)

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

I found that 225 softballs would be ordered. It makes sense because I modeled this situation of equal groups as a multiplication problem. Then, I multiplied 9 times each place-value to help me find the total.



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

Learning Target: I will multiply multi-digit numbers

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

We Do Together: (Teacher Actions)

> Say the problem and use place-value understanding to multiply the multi-digit numbers.

1	
1	•

Learning Target: I will multiply multi-digit numbers

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

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

> Students take turns leading to multiply the multi-digit numbers.

5. 7 4 5 x 8	6. 4265 x 3
7.  28  x 64	8. 295 x 6

Learning Target: I will multiply multi-digit numbers

## Session 6: Guided Practice (We Do – Visual Support)

We Do Together: (Teacher Actions)

> Say the problem and use place-value understanding to multiply the multi-digit numbers.

1.

2.

**3.** 

4.



#### **Session 6: Self-Reflection**

**Learning Target:** I will multiply multi-digit numbers

Briefly discuss student responses

- ➤ What did I learn today about multiplying multi-digit numbers?
- ➤ How confident do I feel about multiplying multi-digit numbers on my own? (Thumbs up, down, or sideways)

### **Quick Check - Form F**

Name	Date

**Learning Target:** I will multiply multi-digit numbers.

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

1.	2.
	1

39



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

Learning Target: I will multiply multi-digit numbers

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

We Do Together: (Teacher Actions)

> Say the problem and use place-value understanding to multiply the multi-digit numbers.

1.

2.

3.

4.

Learning Target: I will multiply multi-digit numbers

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

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

> Students take turns leading to multiply the multi-digit numbers.

5. 8 4 6 <u>x 7</u>	6. 3 9 <u>x</u>	6 7 <u>4</u>
7. 68 <u>x 79</u>	8. 3 7 <u>x</u>	
68	3 7	



#### **Session 7: Self-Reflection**

**Learning Target:** I will multiply multi-digit numbers

Briefly discuss student responses

- ➤ What did I learn today about multiplying multi-digit numbers?
- ➤ How confident do I feel about multiplying multi-digit numbers on my own? (*Thumbs up, down, or sideways*)

### **Quick Check - Form G**

Name	Date

**Learning Target:** I will multiply multi-digit numbers.

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

	1
1.	2.
F 9 2	2075
5 8 2	2875
<u>x 7</u>	<u>x 6</u>
13.	4.
3.	4.
8 5	4 6
8 5	4 6
8 5	4 6
8 5	4 6
8 5	4 6
8 5	4 6
8 5	4 6
8 5	4 6
8 5	4 6
8 5	4 6
8 5	4 6



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

Learning Target: I will multiply multi-digit numbers

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

We Do Together: (Teacher Actions)

> Say the problem and use place-value understanding to multiply the multi-digit numbers.

1.		

Learning Target: I will multiply multi-digit numbers

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

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

> Students take turns leading to multiply the multi-digit numbers.

5. 576	6. 4892
x 9	x 7
7. 37 x 86	8. 796 x 8



#### **Session 8: Self-Reflection**

Learning Target: I will multiply multi-digit numbers

Briefly discuss student responses

- ➤ What did I learn today about multiplying multi-digit numbers?
- ➤ How confident do I feel about multiplying multi-digit numbers on my own? (*Thumbs up, down, or sideways*)

# **Quick Check - Form H**

Name	Date	

**Learning Target:** I will multiply multi-digit numbers.

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

1.	2.	
6 7 5	3 7 4 8	
v 1	y C	



### **Independent Practice**

**Learning Target:** I will multiply multi-digit numbers

**Title of Game:** Build the Greater Product

Number of Players: 2

**Objective:** To build the greatest product.

Materials: 1 set of 1-digit number cards and 1 recording sheet per player.

#### **Directions:**

Each player...

Shuffle a set of Digit-cards and set in a pile face down out on the table.

- Choose the top 4 cards.
- o Create and find the product of a multiplication problem on their recording sheet.
- Verify each answer by checking it with a calculator.
  - For each incorrect answer, use a drawing to find the error and correct the recording sheet.
- Assign points for the round. (0, 1, or 2 points are possible.)
  - Each player can earn 1 point for having a correct product.
  - The player with the greatest product receives 1 point.
- Shuffle all of the cards together and repeat for the next round.



Name	Date	
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Learning Target: I will multiply multi-digit numbers

## **Independent Practice: Build the Greater Product**

(Recording Sheet)

	Game 1 (1-digit x 3-digit)	Game 2 (2-digit x 2-digit)
Round 1		Round 1
	<u>x</u>	<u>X</u>
Round 2		Round 2
	<u>x</u>	<u>X</u>
Round 3		Round 3
	<u>x</u>	<u>X</u>



# **Digit-Cards** (3 sets)

0		2	3	4
5	6	7	8	9
0		2	3	+
5	6	7	8	<u>9</u>
0	I	2	3	4
5	6	7	8	9



# **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**

$Q_1$ .	What is the problem about?
$Q_2$ .	What do I need to find?
0	
<i>Q</i> <sub>3</sub> .	What do I know?
Q4.	What can I try?
$Q_5$ .	Does my answer make sense?