

Name: _____

College: _____

4th Grade Math
Hybrid Learning Packet

Week of:

November 30th – December 4th

Spelman



College®



**WILLIAM
SMITH**

Monday

Name: _____

Date: 11/30/2020

BCCSG

William Smith

Spelman

Learning Target: I can interpret and represent patterns when multiplying by 10, 100, and 1,000 in arrays and numerically.

Module 3 Lesson 4

Do Now

Count by 3s up to 30:

3, 6, _____, _____, _____, _____, _____, _____, _____

Count by 3 tens up to 300:

3 tens (30), 6 tens (60), _____ (_____), _____ (_____),

_____ (_____), _____ (_____), _____ (_____),

_____ (_____), _____ (_____), _____ (_____)

Input

Problem 1: Draw place value disks to represent products when multiplying by a one-digit number.

$$3 \text{ ones} \times 10 = \underline{\hspace{2cm}}$$

thousands	hundreds	tens	ones

3

2 ones x 10 x 10 = _____

2 ones x 100 = _____

thousands	hundreds	tens	ones

4 ones x 10 x 10 x 10 = _____

4 ones x 1,000 = _____

thousands	hundreds	tens	ones

Tuesday

Name: _____

Date: 12/1/2020

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William Smith

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Learning Target: I can multiply multiples of 10, 100, and 1,000 by single digits, recognizing patterns.

Module 3 Lesson 5**Do Now**

$7 \times 10 = \underline{\hspace{2cm}}$

$20 \times 10 = \underline{\hspace{2cm}}$

$3 \times 10 = \underline{\hspace{2cm}}$

$16 \times 10 = \underline{\hspace{2cm}}$

$8 \times 10 = \underline{\hspace{2cm}}$

$34 \times 10 = \underline{\hspace{2cm}}$

Input

Problem 1: Use place value disks to represent multiplication patterns.

Show **2 ones x 4** on your place value chart. Circle each group of 2 ones.

$2 \text{ ones} \times 4 = \underline{\hspace{2cm}} \text{ ones}$

thousands	hundreds	tens	ones

Show **2 tens x 4** on your place value chart. Circle each group of 2 tens.

$$2 \text{ tens} \times 4 = \underline{\hspace{2cm}} \text{ tens} = \underline{\hspace{2cm}}$$

thousands	hundreds	tens	ones

Show **2 hundreds x 4** on your place value chart. Circle each group of 2 hundreds.

$$2 \text{ hundreds} \times 4 = \underline{\hspace{2cm}} \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

thousands	hundreds	tens	ones

What pattern are you noticing?

Wednesday

Name: _____

Date: 12/2/2020

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Learning Target: I can multiply two-digit multiples of 10 by two-digit multiples of 10 with the area model.

Module 3 Lesson 6

Do Now

$7 \times 100 = \underline{\hspace{2cm}}$

$40 \times 100 = \underline{\hspace{2cm}}$

$2 \times 100 = \underline{\hspace{2cm}}$

$13 \times 100 = \underline{\hspace{2cm}}$

$9 \times 100 = \underline{\hspace{2cm}}$

$27 \times 100 = \underline{\hspace{2cm}}$

Input

Problem 1: Use the place value chart to multiply a two-digit multiple of 10 by a two-digit multiple of 10.

$20 \times 30 = \underline{\hspace{2cm}}$

What are some other ways we can represent 20×30 ?

Hint: Think about the units that make up these numbers.

Let's use **20 x 10 x 3** in a place value chart to help us solve 20×30 .

$$20 \times 30 = \underline{\hspace{2cm}}$$

$$20 \times 3 \text{ tens} = \underline{\hspace{2cm}}$$

$$20 \times 10 \times 3 = \underline{\hspace{2cm}}$$



$$\underline{\hspace{2cm}} \times 3 = \underline{\hspace{2cm}}$$

thousands	hundreds	tens	ones

Thursday

Name: _____
 BCCSG

Date: 12/3/2020
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Learning Target: I can use place value disks to represent two-digit by one-digit multiplication.

Module 3 Lesson 7

Do Now

Fill in the blanks in the multiplication table below.

×	0	1	2	3	4	5	6	7
0	0	0						0
1	0	1		3				
2		2		6	8			
3	0	3				15		
4		4	8			20		
5	0			15	20		30	
6					24	30	36	
7	0	7	14	21	28			

12

Input

Problem 1: Represent 2×23 with place value disks, write a matching equation, and record the **partial products** vertically.

$$\begin{array}{r} 23 \\ \times 2 \\ \hline \end{array}$$

Draw place value disks on your place value chart to represent 23.

thousands	hundreds	tens	ones
		_____ x _____	_____ x _____

Draw disks to show **1 more group of 23**. What is the total value in the **ones**? _____ x _____ ones = _____ ones = _____

→ This is a **partial product**. Write it under the ones column.

What is the total value in the **tens**?

_____ x _____ tens = _____ tens = _____.

→ This is another **partial product**. Write it under the 6.

Friday

Name: _____
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Date: 12/4/2020

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Learning Target: Extend the use of place value disks to represent three- and four-digit by one-digit multiplication.

Module 3 Lesson 8

Do Now

Fill in the blanks in the multiplication table below.

×	0	1	2	3	4	5	6	7	8
0	0	0						0	
1	0	1		3					
2		2		6	8			14	
3	0	3				15			24
4		4	8			20			32
5	0			15	20		30		
6			12		24	30	36		
7	0	7	14	21	28			49	
8			16	24	32		48		

Input

Problem 1: Represent 2×324 with place value disks, write a matching equation, and record the **partial products** vertically.

$$\begin{array}{r} 324 \\ \times \underline{2} \end{array}$$

Draw place value disks on your place value chart to represent this.

thousands	hundreds	tens	ones
	_____ x _____	_____ x _____	_____ x _____

What is the total value in the **ones**?

_____ x _____ ones = _____ ones or _____.

What is the total value in the **tens**?

_____ x _____ tens = _____ tens or _____.

What is the total value in the **hundreds**?

_____ x _____ hundreds = _____ hundreds or _____.