Name_____

Howard University

4th Grade Math

Remote Learning Packet

November 30-December 4, 2020

Name: _____ November 30, 2020

BCCSG Howard

Module 3, Lesson 9

Learning Target: I can multiply three- and four-digit numbers by one-digit numbers applying the standard algorithm.

Input

1. **Represent and solve 6x 162 in the place value chart. Relate the process to solving using the standard algorithm.**

1 6 2

x 6

2. **Solve 5 x 237 using the partial product algorithm. Then solve using the standard algorithm and relate the two methods to each other.**

Partial Products

2 3 7
x 5

Standard Algorithm

2 3 7
x 5

3. **Solve 6 x 716 using the partial product algorithm. Then solve using the standard algorithm and relate the two methods to each other.**

Partial Products

7 1 6
x 6

Standard Algorithm

7 1 6
x 6

Multiply three- and four-digit numbers by one-digit numbers applying the standard algorithm.

4. **Shane measured 457 mL of water in a beaker. Olga measured 3 times as much water. How much water did they measure all together?**

CFU:

Solve using each method. Submit your response in the chat box.

Partial Products	Standard Algorithm
2 2 4 **x 3**	**2 2 4** **x 3**

Name: _____ December 1, 2020

BCCSG Howard

Module 3, Lesson 10

Learning Target: I can multiply three- and four-digit numbers by one-digit numbers applying the standard algorithm.

Input

1. **Solve 5 x 2,374 using partial products, then connect to the algorithm.**

Partial Products	Standard Algorithm
2, 3 7 4 **x 5**	**2, 3 7 4** **x 5**

How does your answer with partial products compare to your answer with the algorithm?

2. **Solve 9 x 3,082 using partial products, then connect to the algorithm.**

Partial Products	Standard Algorithm
3, 0 8 2 **x 9**	**3, 0 8 2** **x 9**

How does your answer with partial products compare to your answer with the algorithm?

3. **Solve 6 x 3,817 using the algorithm.**

Standard Algorithm
3, 8 1 7 **x 6**

4. **Solve 3 x 7,109 using the algorithm.**

Standard Algorithm
7, 1 0 9 **x 3**

5. **Solve a word problem that requires four-digit by one-digit multiplication using the algorithm.**

   There are 5,280 feet in a mile. If Bryan ran 4 miles, how many feet did he run?

Standard Algorithm
5, 2 8 0 **x 4**

CFU. Submit your answer in the chat box.

1. **Solve using the standard algorithm: 3 x 3,106**

Name: _____ December 2, 2020

BCCSG Howard

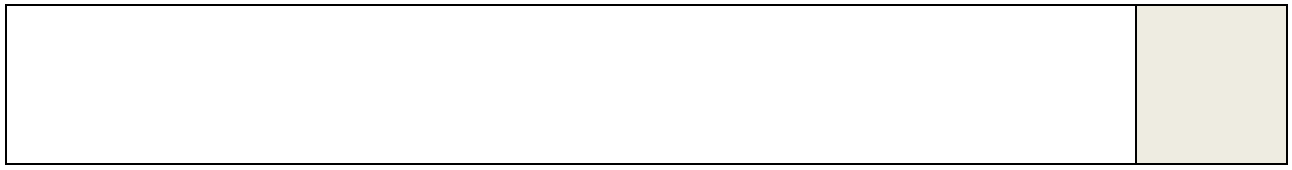
Module 3, Lesson 11

Learning Target: I can connect the area model and the partial products method to the standard algorithm.

Input

Multiply a three-digit number by a one-digit number using the area model.

1. **Watch as I label my rectangle, then label your rectangle with a length of 8 and a width of 34.**



Write an equation to find the area of each rectangle.

A = _____ x _____

A = _____

A = _____ x _____

A = _____

The area of the combined rectangles is _____.

2. **Now label your area model with a length of 8 and a width of 234.**

(8 x _____) + (8 x _____) + (8 x _____)

Multiply a three-digit number by a one-digit number, connecting the area model to the standard algorithm.

3. **316 x 4**

How many hundreds, tens, and ones are in 316? _____ hundreds, _____ tens, and _____ ones.

3 1 6

x 4

4. **Draw an area model to solve 5,463 x 5. Compare your answer to the algorithm or the partial products method.**

Solve a word problem using the standard algorithm, area model, or partial products strategy.

5. **A cafeteria makes 4,408 lunches each day. How many lunches are made Monday through Friday?**

CFU (Submit your answer in the chat box.)

1. **Solve the following expressions using the standard algorithm, the partial products method, and the area model.**

   a) **534 x 7**

   b) **209 x 8**

Name: _____ December 3, 2020

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Module 3, Lesson 12

Learning Target: I can solve two-step word problems, including multiplicative comparison.

Input

1. **The table shows the cost of party favors. Each party guest receives a bag with 1 balloon, 1 lollipop, and 1 bracelet. What is the total cost for 9 guests?**

Item	Cost
1 balloon	26 cents
1 lollipop	14 cents
1 bracelet	33 cents

2. **The Turner family uses 548 liters of water per day. The Hill family uses 3 times as much water per day. How much water does the Hill family use per week?**

3. **Write an equation that would allow someone to find the value of *R*.**

1167	**1167**	**1167**

CFU (Submit in the chat box):

1. **Jayden has 347 marbles. Elvis has 4 times as many as Jayden. Presley has 799 fewer than Elvis. How many marbles does Presley have?**

Name: _____ December 4, 2020

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Module 3, Lesson 13

Learning Target: I can use multiplication, addition, or subtraction to solve multi-step word problems.

Input

1. **Over the summer, Kate earned $180 each week for 7 weeks. Of that money, she spent $375 on a new computer and $137 on new clothes. How much money did she have left?**

2. **Sylvia weighed 8 pounds when she was born. By her first birthday, her weight had tripled. By her second birthday, she had gained 12 more pounds. At that time, Sylvia's father weighed 5 times as much as she did. What was Sylvia and her dad's combined weight?**

3. **In one month, Charlie read 814 pages. In the same month, his mom read 4 times as many pages as Charlie, and that was 143 pages more than Charlie's dad read. What was the total number of pages read by Charlie and his parents?**

CFU (Submit in the chat box):

1. **Three boxes weighing 128 pounds each and one box weighing 254 pounds were loaded onto the back of an empty truck. A crate of apples was then loaded onto the same truck. If the total weight loaded onto the truck was 2,000 pounds, how much did the crate of apples weigh?**