STUDY GUIDE: Multi Digit Whole Number and Decimal Fraction Multiplication

Name: _____#_____

Date: _____

Module 2: Mid Module Assessment

5.NBT.5, 5.NBT.7, 5.OA.1, 5.OA.2, 5.MD.1

1. Complete the chart.

5.OA.1

Words	Expression	The Value of the Expression
a. 40 times the sum of 54 and 26		
b. Divide the difference between 1,400 and 400 by 5		
c. The sum of 26 fifteens and 14 fifteens		
d. 10 times the sum of 22 and 8		
e.	15 × (150 + 50)	
f.	(260 + 740) × 13	

2. Without calculating, compare the expressions below using <, >, =.

5.OA.2

a. 100 x 4 ◯ 100 x (6 - 2)

b. 24 x 12 ◯ 26 twelves - 3 twelves

c. 24 x 19 ◯ 9 twenty-fours, doubled

3. Use an area model to find the product of 614 and 44. Be sure to circle the final product.

5.NBT.5

4. Find the product of 657 and 506 using standard algorithm.

5.NBT.5

5. For a field trip, the school bought 57 sandwiches for $3.60 each and 49 bags of chips for $1.15 each. How much did the school spend in all?

5.NBT.7

6. Write an expression matches the statement, "the sum of 15 and 9 subtracted from 89".

5.OA.1

7. Which two conversions are correct?

5.MD.1

A. 18 m = 0.18 cm

B. 4.5 m = 4,500 cm

C. 1800 mm = 18 m

D. 25 km = 25,000 m

E. 200 cm = 2 m

8. What would be a reasonable estimate for 507 x 42?

5.NBT.5

9. Write an expression that correctly shows the difference of 19 twelves and 17 twelves.

5.OA.1

10. What is the product of 634 and 49?

5.NBT.5

11. Find the product of 6,243 and 53.

5.NBT.5

12. What would be a reasonable estimate for the product of 6,243 and 53?

5.NBT.5

13. Without finding the values, write a sentence that compares the values of Expression G and Expression K.

5.OA.2

Expression G: 4,632 - 524
Expression K: 3 x (4,632 - 524)

14. Write more than one expression that represents 14 added to the product of 2 and 7?

5.OA.1

15. Which expression(s) has (have) a value of 14? Select all that apply.

5.OA.1

- **A.** (12 - 6) ÷ 2 x 4
- **B.** (9 x 7) - (7 x 7)
- **C.** 10 + (11 x 2) - 7
- **D.** 12 + 5 x (8 - 6)
- **E.** (12 - 10) x (8 + 2) - 6
- **F.** 2 x (3 x 4 + 3) - 6

16. At the store, all customers were given a book of coupons as they entered the store in one weekend. If each book of coupons holds 13 coupons and there were a total of 524 customers who entered the store, how many coupons were given in all?

5.NBT.5

17. The model below can be used to find the value of which expression(s)?

5.NBT.7

	40	2	0.3
3			
70			

A. 4.23 x 73

B. (70 + 3) x (40 + 2 + 0.3)

C. (70 x 3) + (40 x 2 x 0.3)

D. 73 x 423

E. 42.3 x 73

18. A roller coaster has 4 sections that each hold a maximum of 15 people. If the ride is filled to capacity for every ride, how many total people will have ridden the roller coaster after 144 rides?

5.NBT.5

19. Simplify the expression below.

5.OA.1

5 + 4 x (14 - 8)

20. Mary carried one box that weighed 10.5 pounds and another box that weighed 7 pounds into her new house. How many ounces do both boxes weigh altogether?

5.MD.1

21. Mandy has walked her dog every day for 3 weeks. If she walks her dog every day for one more week, how many total days will she have walked her dog altogether?

5.MD.1