ZEARN MID-MISSION ASSESSMENT | G5 M2

Name: _____ **Date:** _____
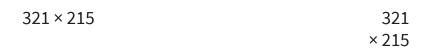
1. **Fill in the chart.**

Words	Expression	The Value of the Expression
a. Divide the difference between 1,200 and 700 by 5		
b. The sum of 3 fifteens and 17 fifteens		
c.	$(560 + 440) \times 14$	

2. **Compare the two expressions using <, >, or =. For each, explain how you can determine the answer without calculating.**

   a. 48×12 ◯ 50 twelves – 3 twelves

   b. 100×8 ◯ $25 \times (4 \times 9)$

3. **Draw an area model. Then, solve using the standard algorithm.**

321×215

$$\begin{array}{r} 321 \\ \times\ 215 \\ \hline \end{array}$$

4. **Estimate the product first. Then, solve by using the standard algorithm. Use your estimate to check the reasonableness of the product.**

$2{,}047 \times 508$

$$\begin{array}{r} 2{,}047 \\ \times\ \ \ 508 \\ \hline \end{array}$$

$\approx$ _____ $\times$ _____

$=$ _____

5. **Use estimation and place value reasoning to find the unknown product. Explain how you know.**

a. If $752 \times 49 = 36{,}848$, then $75.2 \times 49 =$ _____.

b. If $3{,}156 \times 272 = 858{,}432$, then $3{,}156 \times 2.72 =$ _____.

6. **Solve. Show your work.**

   a. $4.25 \times 21 =$ _____

   b. $256.12 \times 54 =$ _____

7. **Jeanne makes hair bows to sell at the craft fair. Each bow requires 1.5 yards of ribbon.**

   a. At the fabric store, ribbon is sold by the foot. If Jeanne wants to make 84 bows, how many feet of ribbon must she buy? Show all your work.

   b. A manufacturer is making 1,000 times as many bows as Jeanne to sell in stores nationwide. Write an expression using exponents to show how many yards of ribbon the manufacturer will need. Do not calculate the total.

ZEARN END-OF-MISSION ASSESSMENT | **G5 M2**

Name: _____ Date: _____

1. **Express the missing divisor using a power of 10. Explain your reasoning using a place value model.**

   a. $5.2 \div$ _____ $= 0.052$

   b. $7,650 \div$ _____ $= 7.65$

2. **Estimate the quotient by rounding the expression to relate to a one-digit fact. Explain your thinking in the space below.**

   a. $432 \div 73 \approx$ _____

   b. $1,275 \div 588 \approx$ _____

3. Divide. Then, check using multiplication. Include the remainder.

a. $93 \div 20 =$ _____

b. $415 \div 17 =$ _____

c. $2,047 \div 41 =$ _____

4. Sarah says that 26 ÷ 8 equals 14 ÷ 4 because both are "3 R2." Show her mistake using decimal division.

5. A baker uses 5.5 pounds of flour daily.

   a. How many ounces of flour will he use in two weeks? Use words, numbers, or pictures to explain your thinking. (1 lb = 16 oz)

b. The baker's recipe for a loaf of bread calls for 12 ounces of flour. If he uses all of his flour to make loaves of bread, how many full loaves can he bake in two weeks? Show your work and/or explain your reasoning.

c. The baker sends all his bread to one store. If he can pack up to 15 loaves of bread in a box for shipping, what is the minimum number of boxes required to ship all the loaves baked in two weeks? Explain your reasoning.