

## 4th#4

### Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

\_\_\_ 1. Chazzie wrote a whole number ending in 2 zeros. If she multiplies the number by 10, how many zeros should she write in the product?

- a. 3                      b. 2                      c. 1                      d. 20

\_\_\_ 2. How could you find the answer to  $89 \times 6$  by using compatible (friendly) numbers?

- a. multiply 90 by 6 and then subtract 6?  
b. multiply the 9 by 6 and write both those answers below the line?  
c. multiply 90 by 5 and add 6?  
d. multiply 90 by 7 and subtract 90?

\_\_\_ 3. Complete the computation. Use the array.



$$\begin{array}{r} 15 \\ \times 4 \\ \hline \square\square \\ 40 \\ \hline \square\square \end{array}$$

- a. 9 and 49                      c. 60 and 100  
b. 20 and 60                      d. 10 and 50

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### Answer Section

#### MULTIPLE CHOICE

1. ANS: A                      REF: 0501 Lesson 5-1: Multiplying by Multiples of 10, 100, or 1,000  
OBJ: Multiply any number by 10, 100, or 1000.  
TOP: Intervention G35: Mental Math: Multiplication Patterns, NCTM 3-5: Num.3.1, NCTM 3-5: Num.3.2  
KEY: multiplication, mental math, whole numbers, place value
2. ANS: A                      REF: 0503 Lesson 5-3: Mental Math: Multiplication  
OBJ: Mentally multiply two-digit numbers by one-digit numbers by using the distributive property.  
TOP: Intervention G40: Breaking Numbers Apart to Multiply, NCTM 3-5: Alg.3.1, NCTM 3-5: Num.1.2, NCTM 3-5: Num.2.4, NCTM 3-5: Num.3.2  
KEY: multiplication, whole numbers, mental math
3. ANS: B                      REF: 0504 Lesson 5-4: Using Arrays to Multiply  
OBJ: Make arrays with place-value blocks to find products.  
TOP: Intervention G39: Using Arrays to Multiply, NCTM 3-5: Alg.3.1, NCTM 3-5: Num.1.2, NCTM 3-5: Num.2.4, NCTM 3-5: Num.3.2  
KEY: multiplication, whole numbers, place value