

Name: _____

Multiplying by Tens and Hundreds

The value of an expression is the number that the expression equals.

Example: The value of the expression $(10 \times 6) = 60$.

Remember: The value of a digit is the number that it stands for.

Example: The value of the digit 3 in the number 376 is 300. WHY?—because a 3 in the hundreds place stands 3 hundreds and the expression 3 hundreds = 300.

What is the value (a number) of the following expressions?

10 tens = _____ 10 hundreds = _____ 100 tens = _____

10 x 40 = _____ 10 x 42 = _____ 10 x 35 = _____

100 x 40 = _____ 10 x 200 = _____ 10 x 231 = _____

Do you remember the commutative property? It says that when you multiply numbers together, the order doesn't matter.

Examples: 23 tens = $23 \times 10 = 10 \times 23 = 230$

30 hundreds = $30 \times 100 = 100 \times 30 = 3,000$

What is the value of the following?

40 x 10 = _____ 42 x 10 = _____ 35 x 100 = _____

40 tens = _____ 20 hundreds = _____ 45 tens = _____

13 x 100 = _____ 22 hundreds = _____ 121 tens = _____

Fill in the blank:

4 x _____ = 4,000 20 x _____ = 200 19 x _____ = 1,900

100 x _____ = 1,200 10 x _____ = 170 _____ x 10 = 1,230

101 x _____ = 1,010 23 x _____ = 2,300 _____ x 100 = 3,000