| Na | me | Date |
|----|------|---|
| 1. | Fill | in the blanks using your knowledge of place value units and basic facts. |
| | a. | 43×30 120 100's 100's 10's 1's |
| | | Think: 43 ones \times 3 tens = 127 tens |
| | b. | $43 \times 30^{-1} \qquad \qquad$ |
| | | Think: 43 tens × 3 tens = 124 hundreds |
| | c. | 430 × 30 = |
| | | Think: 83 tens × 2 tens = 166 hundred S 830 × 20 = 16600 |
| | d. | $4,400 \times 400$ 4400×400 4400×400 4400×400 400×400 |
| | | $4,400 \times 400 = 1760000$ |
| | e. | $\frac{80 \times 5,000}{\text{M}} \text{tens} \times \frac{5}{\text{m}} \text{thousands} = 40 \frac{1000}{1000}$ |
| 2 | | $80 \times 5,000 = 400000$ |

- Determine if these equations are true or false. Defend your answer using your knowledge of place value and the commutative, associative, and/or distributive properties.
 - a. 35 hundreds = 5 tens × 7 tens True 5 tens × 7 tens = 5×7× ten xten = 35 hundred False. 770x6=77 tens x6=77 x6x10 mot 100 b. $770 \times 6 = 77 \times 6 \times 100$
- c. 50 tens × 4 hundreds = 40 tens × 5 hundreds True. 40 tens × 5 hundreds = 10 tons x 4 x 5 hundreds d. $24 \times 10 \times 90 = 90 \times 2,400$ 240 × 90 90 × 240 False = 10 tens × 5 × 4 hundreds = 50 tens x 4 hundreds



Lesson 1:

Multiply multi-digit whole numbers and multiples of 10 using place value patterns and the distributive and associative properties. 7/4/13



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4. A concrete stepping stone measures 20 inches square. What is the area of 30 such tiles?



5. A number is 42,300 when multiplied by 10. Find the product of this number and 500.





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