Nan	ne	Date
1.	Fill	in the blanks using your knowledge of place value units and basic facts.
	a.	43 × 30
		Think: 43 ones × 3 tens = tens
		43 × 30 =
	b.	430 × 30
		Think: 43 tens × 3 tens = hundreds
		430 × 30 =
	c.	830 × 20
		Think: 83 tens × 2 tens = 166
		830 × 20 =
	d.	4,400 × 400
		hundreds × hundreds = 176
		4,400 × 400 =
	e.	80 × 5,000
		tens × thousands = 40
		80 × 5,000 =
2.	De	termine if these equations are true or false. Defend your answer using your knowledge of place value

- a. 35 hundreds = 5 tens × 7 tens
- b.  $770 \times 6 = 77 \times 6 \times 100$
- c. 50 tens × 4 hundreds = 40 tens × 5 hundreds

and the commutative, associative, and/or distributive properties.

d.  $24 \times 10 \times 90 = 90 \times 2,400$ 



3. Find the products. Show your thinking. The first row gives some ideas for showing your thinking.

a.	5 × 5	5 × 50	50 × 50	50 × 500
	= 25	= 25 × 10	= (5 × 10) × (5 × 10)	$= (5 \times 5) \times (10 \times 100)$
		= 250	= (5 × 5) × 100	= 25,000
			= 2,500	
h	90 v F	90 × F0	800 × 500	8 000 v F0
υ.	80 × 5	80 × 50	800 × 500	8,000 × 50

c. 63	7 × 3	6,370 × 30	6,370 × 300	63,700 × 300
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4. A concrete stepping-stone measures 20 square inches. What is the area of 30 such stones?

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



1: Multiply multi-digit whole numbers and multiples of 10 using place value patterns and the distributive and associative properties.