Name

Multiplying Decimals

Use the same strategy to multiply a decimal by a whole number or to multiply a decimal by a decimal.

Multiply 0.72 $ imes$ 23.		0.72 🔫 2 decimal
Ignore the decimal points. Multiply as		\times 23 places
you would with two whole numbers.		216
Count the number of decimal places		
in both factors. Use that number of		16.56
decimal places to write the	e answer.	10.30
Multiply 0.45 $ imes$ 0.8.		
Ignore the decimal points. Multiply as		0.45 - 2 + 1 = 3 × 0.8 K decimal
you would with two whole numbers.		$\frac{360}{360}$ places
Count the number of decir	nal places	
in both factors. Use that number of		0.000
decimal places to write the answer.		0.360
Place the decimal point in e	each product.	
1 10 × 26 – 420	0 E E X 0 77 - 0070E	a $4.4 \times 0.222 = 100650$
$1. 1.2 \times 3.0 = 432$	2. $5.5 \times 5.11 = 20135$	5. $4.4 \times 2.333 = 102032$
Find the product		
Find the product.		
4. 7 × 0.5	5. 12 × 0.08	6. 24 × 0.17
7. 0.4 × 0.17	8. 1.9 × 0.46	_ 9. 3.42 × 5.15
10. Writing to Explain If you multiply two decimals less than 1, can		
either of the factors? Explain.		

11. Number Sense Two factors are multiplied and their product is 34.44. One factor is a whole number. How many decimal places are in the other factor?