	Writing Equations from Ratios Name:	
	e each problem.	A
Ex)	Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.	$\frac{\text{Answers}}{\text{Ex.} \mathbf{y} \times 10 = \mathbf{Z}}$
1)	Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.	1
2)	Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.	2
3)	For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.	3
4)	Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.	5.
5)	Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.	6
6)	Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.	7
7)	Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.	8
8)	Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.	10
9)	Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.	11
10)	Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.	12
11)	Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.	13
12)	Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.	15
13)	For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.	
14)	Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.	
15)	Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.	
	$1-10 \ 93 \ 87 \ 80$	0 73 67 60 53 47 40 33
	Math 1-10 93 87 87 Muse 11-15 27 20 12	

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	Writing Equations from Ratios Name: An	iswer Key		
	e each problem.	<u>Answers</u>		
Ex)	Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z)			
	in (y) dollars.	Ex. $\mathbf{y} \times 10 = \mathbf{Z}$		
1)	Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y)	$\mathbf{v} \times 2 - 7$		
	pints.	1. $\mathbf{y} \wedge \mathbf{z} = \mathbf{z}$		
2)	Every dollar is 100 pennies. Write an equation to express the total number of pennies	$2. \mathbf{y} \times 100 = \mathbf{Z}$		
	(Z) in (y) dollars.			
		$y \times 16 = Z$		
3)	For each pound there are 16 ounces. Write an equation to express the total number of	3. $\mathbf{y} \times 10 = \mathbf{Z}$		
	ounces (Z) in (y) pounds.	10 7		
		$_{4.} \mathbf{y} \times 10 = \mathbf{Z}$		
4)	Every centimeter is 10 millimeters. Write an equation to express the total number of			
	millimeters (Z) in (y) centimeters.	$5 \mathbf{v} \times 2 = \mathbf{Z}$		
		5. <u> </u>		
5)	Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y)			
	quarts.	$6. \mathbf{y} \times 25 = \mathbf{Z}$		
	1			
6)	Every quarter is 25 pennies. Write an equation to express the total number of pennies	$\mathbf{y} \times 12 = \mathbf{Z}$		
,	(Z) in (y) quarters.	/		
7)	Every foot is 12 inches. Write an equation to express the total number of inches (Z) in	8. $\mathbf{y} \times 5 = \mathbf{Z}$		
,	(y) feet.			
	() 1001.	9. $y \times 1,000 = Z$		
8)	Every quarter is 5 nickels. Write an equation to express the total number of nickels			
0)	(Z) in (y) quarters.	$\mathbf{v} \times \mathbf{A} - \mathbf{Z}$		
	(2) m (y) quarters.	10. $\mathbf{y} \wedge \mathbf{f} = \mathbf{Z}$		
9)	Every liter is 1,000 milliliters. Write an equation to express the total number of			
-)	milliliters (Z) in (y) liters.	11. $\mathbf{y} \times 1,000 = \mathbf{Z}$		
	minimers (2) in (y) ners.			
10)	Every dollar is 4 quarters. Write an equation to express the total number of quarters	$\mathbf{v} \times 8 = \mathbf{Z}$		
10)	(Z) in (y) dollars.			
	(Σ) in (y) donars.			
11)	Every kilometer is 1,000 meters. Write an equation to express the total number of	13. $\mathbf{y} \times 1,000 \equiv \mathbf{Z}$		
11)	meters (Z) in (y) kilometers.			
	$\frac{1}{2} = \frac{1}{2} = \frac{1}$	14. $\mathbf{y} \times 4 = \mathbf{Z}$		
12)	Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in	11. $y \times 1,000 = Z$ 12. $y \times 8 = Z$ 13. $y \times 1,000 = Z$ 14. $y \times 4 = Z$ 15. $y \times 100 = Z$		
12)	Every cup is 8 ounces. Write an equation to express the total number of ounces (Σ) in	v > 100 - 7		
	(y) cups.	15. $\mathbf{y} \times 100 - \mathbf{Z}$		
13)				
13)	For each kilogram there are 1,000 grams. Write an equation to express the total			
	number of grams (Z) in (y) kilograms.			
14)				
14)	Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) (Z)			
	in (y) gallons.			
4 =\				
15)	Every meter is 100 centimeters. Write an equation to express the total number of			
	centimeters (Z) in (y) meters.			