	Writing Equations from Ratios	Name:			
Solve each problem. Answers					
Ex)	Every foot is 12 inches. Write an equation to express the total number of in (y) feet.	nches (Z) in	Ex.	$\mathbf{y} \times 12 = \mathbf{Z}$	
1)	Every meter is 100 centimeters. Write an equation to express the total num centimeters (Z) in (y) meters.	nber of	1.		
2)	Every pint is 2 cups. Write an equation to express the total number of cups pints.	s (Z) in (y)	2.		
3)	Every quart is 2 pints. Write an equation to express the total number of pin quarts.	nts (Z) in (y)	3. 4.		
4)	For each pound there are 16 ounces. Write an equation to express the total ounces (Z) in (y) pounds.	number of	5.		
5)	Every centimeter is 10 millimeters. Write an equation to express the total millimeters (Z) in (y) centimeters.	number of	6.		
6)	For each kilogram there are 1,000 grams. Write an equation to express the number of grams (Z) in (y) kilograms.	total	7.		
7)	Every gallon is 4 quarts. Write an equation to express the total number of a in (y) gallons.	quarts (Z)	8. 9.		
8)	Every dollar is 10 dimes. Write an equation to express the total number of in (y) dollars.	dimes (Z)	10.		
9)	Every quarter is 25 pennies. Write an equation to express the total number (Z) in (y) quarters.	of pennies	11.		
10)	Every yard is 3 feet. Write an equation to express the total number of feet yards.	(Z) in (y)	12.		
11)	Every cup is 8 ounces. Write an equation to express the total number of ou (y) cups.	inces (Z) in	13. 14.		
12)	Every kilometer is 1,000 meters. Write an equation to express the total numerers (Z) in (y) kilometers.	mber of	15.		
13)	Every liter is 1,000 milliliters. Write an equation to express the total numb milliliters (Z) in (y) liters.	er of			
14)	Every quarter is 5 nickels. Write an equation to express the total number of (Z) in (y) quarters.	f nickels			
15)	Every dollar is 100 pennies. Write an equation to express the total number (Z) in (y) dollars.	of pennies			
		1-10 93 87	1 80 73	67 60 53 47 40 33	
K	N/loth	1-15 27 20	13 7	0	

	Writing Equations from Ratios Name:	Answer Key
Solv	e each problem.	Answers
Ex)	Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.	Ex. $\mathbf{y} \times 12 = \mathbf{Z}$
1)	Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.	1. $\mathbf{y} \times 100 = \mathbf{Z}$
2)	Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.	2. $\mathbf{y} \times 2 = \mathbf{Z}$
3)	Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.	3. $\mathbf{y} \times 2 = \mathbf{Z}$ 4. $\mathbf{y} \times 16 = \mathbf{Z}$
4)	For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.	5. $\mathbf{y} \times 10 = \mathbf{Z}$
5)	Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.	$6. \underline{\mathbf{y} \times 1,000 = \mathbf{Z}}$
6)	For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.	7. $\mathbf{y} \times 4 = \mathbf{Z}$
7)	Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.	8. $\mathbf{y} \times 10 = \mathbf{Z}$ 9. $\mathbf{y} \times 25 = \mathbf{Z}$
8)	Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.	10. $\mathbf{y} \times 3 = \mathbf{Z}$
9)	Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.	11. $\mathbf{y} \times 8 = \mathbf{Z}$
10)	Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.	12. $y \times 1,000 = Z$ 13. $y \times 1,000 = Z$
11)	Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.	$\mathbf{v} \times 5 = \mathbf{Z}$
12)	Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.	$14. \underline{y \times 100} = \mathbf{Z}$
13)	Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.	
14)	Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.	
15)	Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.	

Math

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