		Writing Equations from Ratios	Name:	
	e each problem.	writing Equations from Katlos	Name.	Answers
Ex)	-	5 nickels. Write an equation to express the total number of ers.		$\mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{x} \mathbf{z} \mathbf{z}$
1)	Every quarter is (Z) in (y) quarte	25 pennies. Write an equation to express the total number or or s.	of pennies	1
2)	•	er is 10 millimeters. Write an equation to express the total nuin (y) centimeters.	umber of	2
3)	Every gallon is 4 in (y) gallons.	4 quarts. Write an equation to express the total number of qu		3. 4.
4)	Every meter is 1 centimeters (Z)	00 centimeters. Write an equation to express the total numb in (y) meters.		5
5)	Every kilometer meters (Z) in (y)	is 1,000 meters. Write an equation to express the total num) kilometers.	ber of	6
6)	Every foot is 12 (y) feet.	inches. Write an equation to express the total number of inc		7
7)	Every liter is 1,0 milliliters (Z) in	000 milliliters. Write an equation to express the total number (y) liters.	r of	9
8)	Every pint is 2 c pints.	cups. Write an equation to express the total number of cups ((Z) in (y)	10
9)	Every dollar is 1 (Z) in (y) dollars	100 pennies. Write an equation to express the total number of s.	of pennies	11
10)	Every dollar is 4 (Z) in (y) dollars	4 quarters. Write an equation to express the total number of es.	quarters	12
11)	Every dollar is 1 in (y) dollars.	10 dimes. Write an equation to express the total number of d		14
12)	Every yard is 3 f yards.	feet. Write an equation to express the total number of feet (Z	Z) in (y)	15
13)	For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.		number of	
14)	For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.		otal	
15)	Every quart is 2 quarts.	pints. Write an equation to express the total number of pints	s (Z) in (y)	
	Math	www.CommonCoreSheets.com 3	10 93 87 80 .15 27 20 13	73 67 60 53 47 40 33 7 0

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

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3