		Using Ratio Equations	Name:	
Solve	e each problem.		T vuine.	Answers
Ex)	equal to the num	2 pints. This can be expressed using the equation $y \times 2$ = mber of quarts and Z is equal to the total number of pine total pints in 10 quarts.		Ex. 20
1)		cups. This can be expressed using the equation $y \times 2 =$ of pints and Z is equal to the total number of cups. Usin a 3 pints.		1.        2.
2)	equal to the num	4 quarts. This can be expressed using the equation $y \times$ mber of gallons and Z is equal to the total number of quart total quarts in 2 gallons.	•	3
3)	equal to the num	4 quarters. This can be expressed using the equation y a mber of dollars and Z is equal to the total number of quare total quarters in 4 dollars.		4.       5.
4)	equal to the num	10 dimes. This can be expressed using the equation $y \times$ mber of dollars and Z is equal to the total number of dir ne total dimes in 5 dollars.	•	6
5)	equal to the num	2 inches. This can be expressed using the equation $y \times 1$ mber of feet and Z is equal to the total number of inches ne total inches in 7 feet.	-	8.
6)	where y is equal	r is 1,000 meters. This can be expressed using the equal to the number of kilometers and Z is equal to the total tion find the total meters in 10 kilometers.	•	9
7)	where y is equal	000 milliliters. This can be expressed using the equation $I$ to the number of liters and Z is equal to the total number of find the total milliliters in 6 liters.		11
8)	equal to the num	ounces. This can be expressed using the equation $y \times 8$ mber of cups and Z is equal to the total number of ounche total ounces in 10 cups.	· •	12
<b>9</b> )	is equal to the m	s 25 pennies. This can be expressed using the equation pumber of quarters and Z is equal to the total number of the total pennies in 6 quarters.	• •	
10)	equal to the num	s 5 nickels. This can be expressed using the equation y mber of quarters and Z is equal to the total number of n the total nickels in 3 quarters.	•	
11)		feet. This can be expressed using the equation $y \times 3 = 2$ of yards and Z is equal to the total number of feet. Using 7 yards.		
12)	1,000 = Z, wher	am there are 1,000 grams. This can be expressed using re y is equal to the number of kilogram and Z is equal t g this equation find the total grams in 9 kilograms.	- ·	
	Math	www.CommonCoreSheets.com	1-10 92 83 75 67 11-12 8 0	58 50 42 33 25 17

 1-10
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 83
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 67
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 50
 42
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 11-12
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			er Key
olv(	e each problem.		<u>Answers</u>
Ex)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 10 quarts.	Ex.	20
1)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find	1	6
	the total cups in 3 pints.	2.	8
2)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 2 gallons.	3	16
3)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is	4	50
	equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 4 dollars.	5	84
4)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 5 dollars	6.	10,000
5)	equation find the total dimes in 5 dollars.	7.	6,000
5)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 7 feet.	8	80
6)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 10 kilometers.	9. 10.	150 15
7)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 6 liters.	11.	21
8)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 10 cups.	12.	9,000
<b>9</b> )	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 6 quarters.		
0)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 3 quarters.		
1)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 7 yards.		
2)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 9 kilograms.		

	Liging Datio Equations	
	Using Ratio Equations Name:	Answers
Ex)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 5 centimeters.	Ex. <u>50</u>
1)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 5 liters.	1.       2.
2)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 5 dollars.	3
3)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 8 meters.	4.       5.
4)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 4 quarters.	6 7.
5)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 2 kilograms.	8
6)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 4 dollars.	9
7)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 2 gallons.	11
8)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 2 cups.	12
9)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 3 quarts.	
10)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 2 kilometers.	
11)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 2 dollars.	
12)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 7 pounds.	
	Math www.CommonCoreSheets.com 2	58 50 42 33 25 17

	Using Ratio Equations Name: A	nswer Key
Solve	e each problem.	Answers
Ex)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 5 centimeters.	Ex. 50
1)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 5 liters.	1.     5,000       2.     50
2)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 5 dollars.	3
3)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 8 meters.	4. <u>100</u> 5. <u>2,000</u>
4)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 4 quarters.	<b>– – –</b>
5)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 2 kilograms.	8. <u>16</u>
6)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 4 dollars.	9. <u>6</u> 10. <b>2,000</b>
7)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 2 gallons.	11. <b>200</b>
8)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 2 cups.	12. <u>112</u>
9)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 3 quarts.	
10)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 2 kilometers.	
11)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 2 dollars.	
12)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 7 pounds.	
	Math www.CommonCoreSheets.com 2	67         58         50         42         33         25         17

	Using Ratio Equations Name:	
Solve	e each problem.	Answers
Ex)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 7 kilograms.	Ex. <b>7,000</b>
1)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 10 dollars.	1.       2.
2)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 7 pounds.	3
3)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 3 pints.	4.       5.
4)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 8 yards.	6
5)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 3 meters.	7.
6)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 5 liters.	9 10
7)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 6 kilometers.	11
8)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 10 feet.	12
9)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 9 dollars.	
10)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 5 quarters.	
11)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 3 quarts.	
12)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 7 gallons.	

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	Using Ratio Equations Name: A	nsw	er Key
Solve	e each problem.		Answers
Ex)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 7 kilograms.	Ex.	7,000
1)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 10 dollars.	1. 2.	1,000 112
2)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 7 pounds.	3.	6
3)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 3 pints.	4. 5.	24 300
4)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 8 yards.	6. 7.	5,000 6,000
5)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 3 meters.		120
6)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 5 liters.	9. 10.	<u>36</u> 25
7)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 6 kilometers.	11.	6
8)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 10 feet.	12.	28
9)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 9 dollars.		
10)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 5 quarters.		
11)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 3 quarts.		
12)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 7 gallons.		
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	Using Ratio Equations Name:		
Solve	e each problem.		Answers
Ex)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 4 kilograms.	Ex	4,000
1)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 3 dollars.	1 2	
2)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 5 quarters.	3	
3)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 8 gallons.	4 5	
4)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 10 liters.	6	
5)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 6 quarts.	7 8	
6)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 3 dollars.	9 10	
7)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 2 pounds.	11	
8)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 6 pints.	12	
9)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 4 meters.		
10)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 5 kilometers.		
11)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 4 dollars.		
12)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 4 feet.		

	Using Ratio Equations Name: A	nswer Key
Solve	e each problem.	Answers
Ex)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 4 kilograms.	Ex. <b>4,000</b>
1)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 3 dollars.	1.     12       2.     125
2)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 5 quarters.	3. <u>32</u>
3)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 8 gallons.	4. <u>10,000</u> 5. <u>12</u>
4)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 10 liters.	6. <u>300</u> 7. <u>32</u>
5)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 6 quarts.	7.     32       8.     12
6)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 3 dollars.	9. <u>400</u> 10. <b>5,000</b>
7)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 2 pounds.	11. <b>40</b>
8)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 6 pints.	12. <u>48</u>
<b>9</b> )	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 4 meters.	
10)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 5 kilometers.	
11)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 4 dollars.	
12)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 4 feet.	
	Math www.CommonCoreSheets.com 4 1-10 92 83 75 6	II           7         58         50         42         33         25         17

	Using Ratio Equations Name:	
Solve	e each problem.	Answers
Ex)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 7 dollars.	Ex. <u>70</u>
1)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 7 yards.	1.       2.
2)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 7 quarters.	3
3)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 6 quarters.	4.       5.
4)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 2 meters.	6 7.
5)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 6 kilometers.	8
6)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 2 quarts.	9 10
7)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 2 centimeters.	11
8)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 7 feet.	12
9)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 5 liters.	
10)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 8 kilograms.	
11)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 5 dollars.	
12)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 10 pints.	

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Solv	e each problem.		Answers
Ex)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 7 dollars.	Ex.	70
1)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 7 yards.	1. 2.	21 35
2)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this	3.	150
2)	equation find the total nickels in 7 quarters.	4.	200
3)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 6 quarters.	5. <u>-</u>	6,000
4)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters.	6.	4
	Using this equation find the total centimeters in 2 meters.	7.	20
5)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 6 kilometers.	8.	84
6)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 2 quarts.	9. 10.	5,000 8,000
7)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 2 centimeters.	11.	20
8)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 7 feet.	12.	20
<b>9</b> )	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 5 liters.		
10)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 8 kilograms.		
11)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 5 dollars.		
12)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 10 pints.		

		Using Ratio Equations	Name:		
Solve	e each problem.				Answers
Ex)	• •	cups. This can be expressed using the equation $y \times 2 = Z$ , wo of pints and Z is equal to the total number of cups. Using this is 9 pints.	• •	Ex	18
1)	equal to the nun	4 quarts. This can be expressed using the equation $y \times 4 = 2$ mber of gallons and Z is equal to the total number of quarts. he total quarts in 6 gallons.	-	1 2	
2)	equal to the nun	4 quarters. This can be expressed using the equation $y \times 4 =$ mber of dollars and Z is equal to the total number of quarters in total quarters in 10 dollars.		3.	
3)		feet. This can be expressed using the equation $y \times 3 = Z$ , which yards and Z is equal to the total number of feet. Using this 2 yards.		4 5	
4)	where y is equal	r is 1,000 meters. This can be expressed using the equation $g$ and $f$ to the number of kilometers and $f$ is equal to the total number of find the total meters in 2 kilometers.		6 7.	
5)	equal to the num	10 dimes. This can be expressed using the equation $y \times 10 =$ mber of dollars and Z is equal to the total number of dimes. The total dimes in 8 dollars.	-	8.	
6)	equal to the num	2 inches. This can be expressed using the equation $y \times 12 = 2$ mber of feet and Z is equal to the total number of inches. Us ne total inches in 2 feet.		9. 10.	
7)	where y is equal	er is 10 millimeters. This can be expressed using the equation of the number of centimeters and Z is equal to the total num- ing this equation find the total millimeters in 7 centimeters.	•	11	
8)	equal to the num	2 pints. This can be expressed using the equation $y \times 2 = Z$ , where of quarts and Z is equal to the total number of pints. Using total pints in 10 quarts.	•	12.	
9)	equal to the num	s 5 nickels. This can be expressed using the equation $y \times 5 =$ mber of quarters and Z is equal to the total number of nickel ne total nickels in 6 quarters.			
10)	where y is equal	I there are 16 ounces. This can be expressed using the equatial to the number of pounds and Z is equal to the total number to find the total ounces in 7 pounds.			
11)	y is equal to the	100 pennies. This can be expressed using the equation $y \times 1$ e number of dollars and Z is equal to the total number of pennet nd the total pennies in 6 dollars.			
12)	where y is equal	100 centimeters. This can be expressed using the equation y al to the number of meters and Z is equal to the total number ation find the total centimeters in 4 meters.			
	Math		-10 92 83 75 67 -12 8 0	58 5	50 42 33 25 17

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	Using Ratio Equations Name: An	swer Key
Solv	e each problem.	Answers
Ex)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 9 pints.	Ex18
1)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 6 gallons.	1.     24       2.     40
2)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 10 dollars.	3
3)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal	4
C)	to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 2 yards.	5. <b>80</b>
4)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters.	6. <b>24</b>
	Using this equation find the total meters in 2 kilometers.	7. <b>70</b>
5)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 8 dollars.	8. <b>20</b>
6)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 2 feet.	9. <u>30</u>
7)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 7 centimeters.	10.     112       11.     600
8)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 10 quarts.	12. <b>400</b>
9)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 6 quarters.	
10)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 7 pounds.	
11)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 6 dollars.	
12)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 4 meters.	
	Math www.CommonCoreSheets.com 6 1-10 92 83 75 67 11-12 8 0	58 50 42 33 25 17

	Using Ratio Equations Name:	
Solve	Answers	
Ex)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 9 centimeters.	Ex. <u>90</u>
1)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 6 dollars.	1.       2.
2)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 8 dollars.	3
3)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 2 cups.	4 5
4)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 8 feet.	6
5)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 2 liters.	7.
6)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 10 quarters.	9 10
7)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 8 gallons.	11
8)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 9 yards.	12
<b>9</b> )	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 9 quarts.	
10)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 9 pounds.	
11)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 4 quarters.	
12)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 7 meters.	

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	Using Ratio Equations Name: An	SWE	er Key
Solve	e each problem.		Answers
Ex)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 9 centimeters.	Ex.	90
1)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where	1	600
	y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 6 dollars.	2.	32
2)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 8 dollars.	3	16
3)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is	4	96
0)	equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 2 cups.	5	2,000
4)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this	6.	250
	equation find the total inches in 8 feet.	7.	32
5)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 2 liters.	8	27
6)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y	9.	18
,	is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 10 quarters.	10.	144
7)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 8 gallons.	11	20
8)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 9 yards.	12.	700
9)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 9 quarts.		
10)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 9 pounds.		
11)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 4 quarters.		
12)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 7 meters.		
			0 40 22 25 17

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	Using Ratio Equations Name:	
Solve	Answers	
Ex)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 3 quarters.	Ex. 15
1)	Every meter is 100 centimeters. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of meters and Z is equal to the total number of centimeters. Using this equation find the total centimeters in 10 meters.	1.       2.
2)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 4 liters.	3
3)	For each kilogram there are 1,000 grams. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilogram and Z is equal to the total number of grams. Using this equation find the total grams in 7 kilograms.	4 5
4)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 7 dollars.	6
5)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 4 pints.	7.        8.
6)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 9 dollars.	9 10
7)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 10 pounds.	11
8)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 8 gallons.	12
9)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 9 cups.	
10)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 4 quarts.	
11)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 9 quarters.	
12)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 2 yards.	

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		Using Ratio Equations	Name:	Ans	wer	Key
Solv	e each problem.					nswers
Ex)	equal to the num	s 5 nickels. This can be expressed using the equation $y \times 5 =$ mber of quarters and Z is equal to the total number of nickels ne total nickels in 3 quarters.	-			15
1)	where y is equal	100 centimeters. This can be expressed using the equation y al to the number of meters and Z is equal to the total number of find the total centimeters in 10 meters.		ters.	1 2	1,000 4,000
2)	where y is equal	000 milliliters. This can be expressed using the equation $y \times d$ to the number of liters and Z is equal to the total number of tion find the total milliliters in 4 liters.			3	7,000
3)	1,000 = Z, when	am there are 1,000 grams. This can be expressed using the ec re y is equal to the number of kilogram and Z is equal to the g this equation find the total grams in 7 kilograms.		er	4 5	70 8
4)	equal to the nun	10 dimes. This can be expressed using the equation $y \times 10 =$ mber of dollars and Z is equal to the total number of dimes. Une total dimes in 7 dollars.	•	is e	ó	900
5)	Every pint is 2 c	cups. This can be expressed using the equation $y \times 2 = Z$ , what of pints and Z is equal to the total number of cups. Using this		ual	7 3	160       32
6)	Every dollar is 2 y is equal to the	100 pennies. This can be expressed using the equation $y \times 10^{100}$ e number of dollars and Z is equal to the total number of penned the total pennies in 9 dollars.		5		72 8
7)	For each pound where y is equal	the total pennics in 9 donards. there are 16 ounces. This can be expressed using the equation to the number of pounds and Z is equal to the total number tion find the total ounces in 10 pounds.		= Z,	10 11	225
8)	equal to the num	4 quarts. This can be expressed using the equation $y \times 4 = Z$ mber of gallons and Z is equal to the total number of quarts. The total quarts in 8 gallons.		s <sup>1</sup>	12	6
9)	equal to the num	ounces. This can be expressed using the equation $y \times 8 = Z$ , where of cups and Z is equal to the total number of ounces. Using total ounces in 9 cups.	•			
10)	equal to the num	2 pints. This can be expressed using the equation $y \times 2 = Z$ , we mber of quarts and Z is equal to the total number of pints. Us ne total pints in 4 quarts.	•			
11)	is equal to the n	s 25 pennies. This can be expressed using the equation $y \times 25$ number of quarters and Z is equal to the total number of pennie total pennies in 9 quarters.		- 11		
12)		feet. This can be expressed using the equation $y \times 3 = Z$ , wh of yards and Z is equal to the total number of feet. Using this 2 yards.				
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	Using Datis Equations		
	Using Ratio Equations Name:	1	Answers
Ex)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 8 quarters.	Ex	200
1)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 2 feet.	1 2	
2)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 9 centimeters.	3	
3)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 7 dollars.	4 5	
4)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 9 quarters.	6 7.	
5)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 4 yards.	8	
6)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = Z$ , where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 10 pounds.	9 10	
7)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 9 kilometers.	11	
8)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 10 cups.	12	
9)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 9 pints.		
10)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 6 quarts.		
11)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 5 gallons.		
12)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 9 dollars.		

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	Using Ratio Equations Name:	Ans	swe	r Key
Solve	e each problem.			Answers
Ex)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where is equal to the number of quarters and Z is equal to the total number of pennies. Using the equation find the total pennies in 8 quarters.	° 11	Ex	200
1)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 2 feet.		1 2	24 90
2)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 9 centimeters.	, ''	3	700
3)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , when y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 7 dollars.	re	4 5	45 12
4)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y i equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 9 quarters.		6	160 9,000
5)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equator to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 4 yards.		7 8	80
6)	For each pound there are 16 ounces. This can be expressed using the equation $y \times 16 = 2$ where y is equal to the number of pounds and Z is equal to the total number of ounces. Using this equation find the total ounces in 10 pounds.	Ζ,	9	<u>18</u> 12
7)	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 9 kilometers.		11.	20
8)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 10 cups.		12	90
<b>9</b> )	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equator to the number of pints and Z is equal to the total number of cups. Using this equation fine the total cups in 9 pints.			
10)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 6 quarts.			
11)	Every gallon is 4 quarts. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of gallons and Z is equal to the total number of quarts. Using this equation find the total quarts in 5 gallons.			
12)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 9 dollars.	is		
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	Line Datio Equations	
	Using Ratio Equations Name:	Answors
		<u>Answers</u>
Ex)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 8 dollars.	Ex. <u>80</u>
1)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 9 quarts.	1.       2.
2)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 5 cups.	3
3)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 2 quarters.	4.       5.
4)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 6 feet.	6
5)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 10 centimeters.	7.        8.
6)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 2 quarters.	9
7)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 9 liters.	11
8)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 9 dollars.	12
<b>9</b> )	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 7 kilometers.	
10)	Every dollar is 100 pennies. This can be expressed using the equation $y \times 100 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of pennies. Using this equation find the total pennies in 8 dollars.	
11)	Every pint is 2 cups. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of pints and Z is equal to the total number of cups. Using this equation find the total cups in 4 pints.	
12)	Every yard is 3 feet. This can be expressed using the equation $y \times 3 = Z$ , where y is equal to the number of yards and Z is equal to the total number of feet. Using this equation find the total feet in 8 yards.	

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	Using Ratio Equations Name: A	ISWG	er Key
Solve	e each problem.		Answers
Ex)	Every dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of dimes. Using this equation find the total dimes in 8 dollars.	Ex.	80
1)	Every quart is 2 pints. This can be expressed using the equation $y \times 2 = Z$ , where y is equal to the number of quarts and Z is equal to the total number of pints. Using this equation find the total pints in 9 quarts.	1. 2.	18 40
2)	Every cup is 8 ounces. This can be expressed using the equation $y \times 8 = Z$ , where y is equal to the number of cups and Z is equal to the total number of ounces. Using this equation find the total ounces in 5 cups.	3.	10
3)	Every quarter is 5 nickels. This can be expressed using the equation $y \times 5 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of nickels. Using this equation find the total nickels in 2 quarters.	4. 5.	72 100
4)	Every foot is 12 inches. This can be expressed using the equation $y \times 12 = Z$ , where y is equal to the number of feet and Z is equal to the total number of inches. Using this equation find the total inches in 6 feet.	6. 7.	<u>50</u> 9,000
5)	Every centimeter is 10 millimeters. This can be expressed using the equation $y \times 10 = Z$ , where y is equal to the number of centimeters and Z is equal to the total number of millimeters. Using this equation find the total millimeters in 10 centimeters.	8.	36
6)	Every quarter is 25 pennies. This can be expressed using the equation $y \times 25 = Z$ , where y is equal to the number of quarters and Z is equal to the total number of pennies. Using this equation find the total pennies in 2 quarters.	9. 10.	7,000 800
7)	Every liter is 1,000 milliliters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of liters and Z is equal to the total number of milliliters. Using this equation find the total milliliters in 9 liters.	11.	8
8)	Every dollar is 4 quarters. This can be expressed using the equation $y \times 4 = Z$ , where y is equal to the number of dollars and Z is equal to the total number of quarters. Using this equation find the total quarters in 9 dollars.	12.	24
<b>9</b> )	Every kilometer is 1,000 meters. This can be expressed using the equation $y \times 1,000 = Z$ , where y is equal to the number of kilometers and Z is equal to the total number of meters. Using this equation find the total meters in 7 kilometers.		
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