| | | Using Ratio Equations | Name: | |
|------------|-------------------|---|-------------------------------|-------------------|
| Solve | e each problem. | | T tuffie. | Answers |
| Ex) | equal to the num | 2 pints. This can be expressed using the equation $y \times 2$ = nber of quarts and Z is equal to the total number of pin he total pints in 10 quarts. | | Ex. 20 |
| 1) | | cups. This can be expressed using the equation $y \times 2 = 0$ 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 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 dimeter 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 he 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 num tion 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 |
| 9) | is equal to the m | s 25 pennies. This can be expressed using the equation number 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 ne total nickels in 3 quarters. | | |
| 11) | | feet. This can be expressed using the equation $y \times 3 =$ 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
 92
 83
 75
 67
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 11-12
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 0

| | | | 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 the total cups in 3 pints. 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. | | 6 |
| | | | 8 |
| 2) | | | 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) | very dollar is 10 dimes. This can be expressed using the equation $y \times 10 = Z$, where y is ual to the number of dollars and Z is equal to the total number of dimes. Using this | | 10,000 |
| - | 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 |
| 9) | 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. | | |