Writing Equations from Ratios

Name:

Solve each problem.

Ex) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

Ex. $y \times 10 = Z$

1) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

1. _____

2) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

2. _____

3) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

3. _____

4. _____

4) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

5. _____

5) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

6. _____

6) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

7. _____

8. _____

7) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

9. _____

8) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

10. _____

9) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

11. _____

12. _____

10) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

13. _____

11) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

14. _____

12) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

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 quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

15) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Solve each problem.

Answers

Ex) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

Ex. $y \times 10 = Z$

1) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

1. $y \times 4 = Z$

2) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

2. $y \times 3 = Z$

3) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

3. $y \times 100 = Z$

4) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

4. $y \times 16 = Z$

5) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

5. $y \times 2 = Z$

6) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

6. $y \times 1{,}000 = Z$

7) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

7. $y \times 12 = Z$

8) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

8. $y \times 8 = Z$

9) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

9. $y \times 2 = Z$

10) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

10. $y \times 4 = Z$

11) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

11. $y \times 100 = Z$

12) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

12. $y \times 5 = Z$

13) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

13. $y \times 1{,}000 = Z$

14) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

14. $y \times 25 = Z$

15) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

15. $y \times 10 = Z$

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1) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

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2) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

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3) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

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11) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

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13) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

14) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

15) Every gallon is 4 quarts. Write an Equation to express the total number of quarts (Z) in (y) gallons.

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Name: **Answer Key**

Solve each problem.

Answers

Ex) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

Ex. $y \times 1{,}000 = Z$

1) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

1. $y \times 12 = Z$

2) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

2. $y \times 16 = Z$

3) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

3. $y \times 1{,}000 = Z$

4) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

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5) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

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6. $y \times 100 = Z$

7) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

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8) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

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9) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

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10) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

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11) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

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13) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

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14) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

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15) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

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Ex) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

Ex. $y \times 5 = Z$

1) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

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Name: _____   **Answer Key**

Solve each problem.

Answers

Ex) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

Ex. ____ $y \times 5 = Z$ ____

1) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

1. ____ $y \times 25 = Z$ ____

2) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

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3) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

3. ____ $y \times 4 = Z$ ____

4) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

4. ____ $y \times 100 = Z$ ____

5) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

5. ____ $y \times 1,000 = Z$ ____

6) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

6. ____ $y \times 12 = Z$ ____

7) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

7. ____ $y \times 1,000 = Z$ ____

8) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

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Writing Equations from Ratios

Name:

Solve each problem.

Ex) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

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1) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

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2) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

2. _____

3. _____

3) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

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4) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

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7) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

9. _____

8) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

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8) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

8. $y \times 4 = Z$

9) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

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10) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

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1) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

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2) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

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3) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

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4) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

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5) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

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11-15	27	20	13	7	0					

Solve each problem.

Ex) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

Ex. **y × 16 = Z**

1) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

1. **y × 100 = Z**

2) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

2. **y × 4 = Z**

3) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

3. **y × 2 = Z**

4) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

4. **y × 1,000 = Z**

5) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

5. **y × 1,000 = Z**

6. **y × 10 = Z**

6) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

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8. **y × 2 = Z**

8) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

9. **y × 12 = Z**

9) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

10. **y × 5 = Z**

10) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

11. **y × 100 = Z**

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12. **y × 4 = Z**

12) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

13. **y × 25 = Z**

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14) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

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15) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

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Ex. $\quad y \times 4 = Z$

1) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

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2) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

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Ex) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

Ex. $y \times 4 = Z$

1) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

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2. $y \times 100 = Z$

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12) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

12. $y \times 1,000 = Z$

13) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

13. $y \times 12 = Z$

14) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

14. $y \times 8 = Z$

15) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

15. $y \times 2 = Z$

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Name:

Solve each problem.

Ex) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

Ex. $y \times 1,000 = Z$

1) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

1. _____

2) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

2. _____

3. _____

3) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

4. _____

4) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

5. _____

5) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

6. _____

6) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

7. _____

8. _____

7) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

9. _____

8) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

10. _____

9) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

11. _____

12. _____

10) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

13. _____

11) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

14. _____

12) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

15. _____

13) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

14) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

15) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

Math

7

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Solve each problem.

Ex) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

Ex. $y \times 1{,}000 = Z$

1) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

1. $y \times 25 = Z$

2) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

2. $y \times 100 = Z$

3) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

3. $y \times 8 = Z$

4) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

4. $y \times 2 = Z$

5) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

5. $y \times 12 = Z$

6) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

6. $y \times 2 = Z$

7) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

7. $y \times 3 = Z$

8) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

8. $y \times 100 = Z$

9) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

9. $y \times 10 = Z$

10) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

10. $y \times 10 = Z$

11) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

11. $y \times 4 = Z$

12) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

12. $y \times 1{,}000 = Z$

13) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

13. $y \times 4 = Z$

14) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

14. $y \times 5 = Z$

15) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

15. $y \times 16 = Z$

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Writing Equations from Ratios

Name:

Solve each problem.

Ex) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

Ex. $y \times 4 = Z$

1) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

1. _____

2) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

2. _____

3. _____

3) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

4. _____

4) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

5. _____

5) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

6. _____

6) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

7. _____

8. _____

7) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

9. _____

8) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

10. _____

9) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

11. _____

10) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

12. _____

13. _____

11) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

14. _____

12) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

15. _____

13) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

14) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

15) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

| | Writing Equations from Ratios | Name: | **Answer Key** |

Solve each problem.

Ex) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

Ex. $y \times 4 = Z$

1) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

1. $y \times 1{,}000 = Z$

2) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

2. $y \times 12 = Z$

3) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

3. $y \times 5 = Z$

4) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

4. $y \times 16 = Z$

5. $y \times 4 = Z$

5) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

6. $y \times 25 = Z$

6) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

7. $y \times 10 = Z$

7) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

8. $y \times 3 = Z$

9. $y \times 8 = Z$

8) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

10. $y \times 10 = Z$

9) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

11. $y \times 2 = Z$

10) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

12. $y \times 100 = Z$

11) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

13. $y \times 100 = Z$

14. $y \times 2 = Z$

12) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

15. $y \times 1{,}000 = Z$

13) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

14) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

15) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Name:

Solve each problem.

Ex) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

Ex. $\quad \mathbf{y \times 2 = Z}$

1) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

1. _____

2) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

2. _____

3) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

3. _____

4. _____

4) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

5. _____

5) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

6. _____

6) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

7. _____

7) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

8. _____

9. _____

8) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

10. _____

9) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

11. _____

10) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

12. _____

13. _____

11) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

14. _____

12) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

15. _____

13) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

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.

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Name:

Solve each problem.

Answers

Ex) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

Ex. $y \times 2 = Z$

1) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

1. $y \times 2 = Z$

2) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

2. $y \times 1{,}000 = Z$

3) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

3. $y \times 25 = Z$

4) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

4. $y \times 4 = Z$

5) Every meter is 100 centimeters. Write an equation to express the total number of centimeters (Z) in (y) meters.

5. $y \times 100 = Z$

6) Every centimeter is 10 millimeters. Write an equation to express the total number of millimeters (Z) in (y) centimeters.

6. $y \times 10 = Z$

7) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

7. $y \times 1{,}000 = Z$

8) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

8. $y \times 8 = Z$

9) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

9. $y \times 4 = Z$

10) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

10. $y \times 10 = Z$

11) Every yard is 3 feet. Write an equation to express the total number of feet (Z) in (y) yards.

11. $y \times 3 = Z$

12) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

12. $y \times 16 = Z$

13) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

13. $y \times 1{,}000 = Z$

14) Every quarter is 5 nickels. Write an equation to express the total number of nickels (Z) in (y) quarters.

14. $y \times 5 = Z$

15) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

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11-15	27	20	13	7	0					

Name:

Solve each problem.

Ex) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

Ex. $y \times 16 = Z$

1) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

1. _____

2) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

2. _____

3) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

3. _____

4. _____

4) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

5. _____

5) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

6. _____

6) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

7. _____

8. _____

7) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

9. _____

8) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

10. _____

9) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

11. _____

12. _____

10) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

13. _____

11) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

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13) Every kilometer is 1,000 meters. Write an equation to express the total number of meters (Z) in (y) kilometers.

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1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Name:

Solve each problem.

Answers

Ex) For each pound there are 16 ounces. Write an equation to express the total number of ounces (Z) in (y) pounds.

Ex. $\mathbf{y \times 16 = Z}$

1) Every dollar is 10 dimes. Write an equation to express the total number of dimes (Z) in (y) dollars.

1. $\mathbf{y \times 10 = Z}$

2) Every cup is 8 ounces. Write an equation to express the total number of ounces (Z) in (y) cups.

2. $\mathbf{y \times 8 = Z}$

3) Every dollar is 4 quarters. Write an equation to express the total number of quarters (Z) in (y) dollars.

3. $\mathbf{y \times 4 = Z}$

4) Every pint is 2 cups. Write an equation to express the total number of cups (Z) in (y) pints.

4. $\mathbf{y \times 2 = Z}$

5) For each kilogram there are 1,000 grams. Write an equation to express the total number of grams (Z) in (y) kilograms.

5. $\mathbf{y \times 1,000 = Z}$

6) Every quart is 2 pints. Write an equation to express the total number of pints (Z) in (y) quarts.

6. $\mathbf{y \times 2 = Z}$

7) Every foot is 12 inches. Write an equation to express the total number of inches (Z) in (y) feet.

7. $\mathbf{y \times 12 = Z}$

8) Every dollar is 100 pennies. Write an equation to express the total number of pennies (Z) in (y) dollars.

8. $\mathbf{y \times 100 = Z}$

9) Every liter is 1,000 milliliters. Write an equation to express the total number of milliliters (Z) in (y) liters.

9. $\mathbf{y \times 1,000 = Z}$

10) Every quarter is 25 pennies. Write an equation to express the total number of pennies (Z) in (y) quarters.

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11) Every gallon is 4 quarts. Write an equation to express the total number of quarts (Z) in (y) gallons.

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11-15	27	20	13	7	0					