

**Solve each problem.****Answers**

- 1) At a carnival it costs \$91.59 for 71 tickets. Write an equation that can be used to express the relationship between the total cost (t) and the number of tickets(n) you buy.
- 2) Using 26 boxes of nails a carpenter was able to finish 234.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed(t) and the boxes of nails(b) used.
- 3) The combined weight of 22 concrete blocks is 332.86 kilograms. Write an equation that can be used to express the relationship between the total weight(t) and the number of concrete blocks(b) you have.
- 4) A chef bought 16 bags of oranges at the supermarket and it cost her \$47.52. Write an equation that can be used to express the relationship between the total cost(t) and the number of bags of oranges(b) purchased.
- 5) It cost \$448.00 for 35 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost(t) and the pounds of beef jerky(p) purchased.
- 6) Vanessa traveled 55.68 kilometers in 64 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.
- 7) A school had to buy 12 new science books and it ended up costing \$428.40 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
- 8) A company used 378.00 lemons to make 42 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed (t) for each bottle of lemonade (b).
- 9) A phone store earned \$48.62 after they sold 17 phone cases. Write an equation that can be used to express the relationship between the total money earned (t) and the number of cases(c) sold.
- 10) A school fundraiser sold 26 candy bars and earned 66.56 dollars total. Write an equation that can be used to express the relationship between the total amount earned(t) and each candy bar sold(b).

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**Answers**

1.  $t = n1.29$
2.  $t = b9.00$
3.  $t = b15.13$
4.  $t = b2.97$
5.  $t = p12.80$
6.  $t = m0.87$
7.  $t = b35.70$
8.  $t = b9.00$
9.  $t = c2.86$
10.  $t = b2.56$

**Solve each problem.****Answers**

- 1) The combined weight of 3 concrete blocks is 32.79 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.
- 2) Using a water hose for 72 minutes used up 205.20 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used ( $t$ ) and the minutes( $m$ ) used.
- 3) It cost \$528.30 for 45 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the pounds of beef jerky( $p$ ) purchased.
- 4) A phone store earned \$241.40 after they sold 85 phone cases. Write an equation that can be used to express the relationship between the total money earned ( $t$ ) and the number of cases( $c$ ) sold.
- 5) At a carnival it costs \$207.46 for 82 tickets. Write an equation that can be used to express the relationship between the total cost ( $t$ ) and the number of tickets( $n$ ) you buy.
- 6) In a game defeating 16 enemies earns you 3,200.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 7) Olivia traveled 71.38 kilometers in 43 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 8) A candy company made \$90.54 for every 18 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and the boxes of candy they sold( $b$ ).
- 9) Using 9 boxes of nails a carpenter was able to finish 18.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed( $t$ ) and the boxes of nails( $b$ ) used.
- 10) You can buy 9 pieces of chicken for \$12.42. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.

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**Answers**

1.  **$t = b10.93$**
2.  **$t = m2.85$**
3.  **$t = p11.74$**
4.  **$t = c2.84$**
5.  **$t = n2.53$**
6.  **$t = e200.00$**
7.  **$t = m1.66$**
8.  **$t = b5.03$**
9.  **$t = b2.00$**
10.  **$t = c1.38$**

**Solve each problem.****Answers**

- 1) In a game defeating 44 enemies earns you 4,400.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 2) A school had to buy 62 new science books and it ended up costing \$2,049.10 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.
- 3) The combined weight of 8 concrete blocks is 119.04 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.
- 4) A chef bought 97 bags of oranges at the supermarket and it cost her \$121.25. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of bags of oranges( $b$ ) purchased.
- 5) You can buy 5 pieces of chicken for \$13.80. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 6) A phone store earned \$436.48 after they sold 88 phone cases. Write an equation that can be used to express the relationship between the total money earned ( $t$ ) and the number of cases( $c$ ) sold.
- 7) Maria traveled 40.00 kilometers in 25 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 8) A school fundraiser sold 29 candy bars and earned 39.73 dollars total. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and each candy bar sold( $b$ ).
- 9) It cost \$93.80 for 5 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the pounds of beef jerky( $p$ ) purchased.
- 10) Using a water hose for 82 minutes used up 164.82 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used ( $t$ ) and the minutes( $m$ ) used.

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**Answers**

1.  **$t = e100.00$**
2.  **$t = b33.05$**
3.  **$t = b14.88$**
4.  **$t = b1.25$**
5.  **$t = c2.76$**
6.  **$t = c4.96$**
7.  **$t = m1.60$**
8.  **$t = b1.37$**
9.  **$t = p18.76$**
10.  **$t = m2.01$**

**Solve each problem.****Answers**

- 1) Using 25 boxes of nails a carpenter was able to finish 100.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed( $t$ ) and the boxes of nails( $b$ ) used.
- 2) At a carnival it costs \$206.46 for 74 tickets. Write an equation that can be used to express the relationship between the total cost ( $t$ ) and the number of tickets( $n$ ) you buy.
- 3) A school fundraiser sold 73 candy bars and earned 89.06 dollars total. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and each candy bar sold( $b$ ).
- 4) A company used 485.00 lemons to make 97 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed ( $t$ ) for each bottle of lemonade ( $b$ ).
- 5) Carol traveled 18.48 kilometers in 56 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 6) The combined weight of 20 concrete blocks is 139.80 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.
- 7) In a game defeating 49 enemies earns you 22,050.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 8) A candy company made \$369.36 for every 81 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and the boxes of candy they sold( $b$ ).
- 9) A phone store earned \$204.60 after they sold 55 phone cases. Write an equation that can be used to express the relationship between the total money earned ( $t$ ) and the number of cases( $c$ ) sold.
- 10) Using a water hose for 41 minutes used up 76.67 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used ( $t$ ) and the minutes( $m$ ) used.

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**Answers**

1.  $t = b4.00$
2.  $t = n2.79$
3.  $t = b1.22$
4.  $t = b5.00$
5.  $t = m0.33$
6.  $t = b6.99$
7.  $t = e450.00$
8.  $t = b4.56$
9.  $t = c3.72$
10.  $t = m1.87$





**Solve each problem.**

**Answers**

- 1) In a game defeating 80 enemies earns you 32,000.00 total points. Write an equation that can be used to express the relationship between the total points earned (t) and the number of enemies(e) you defeat.
  
- 2) Using 66 boxes of nails a carpenter was able to finish 330.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed(t) and the boxes of nails(b) used.
  
- 3) A candy company made \$169.56 for every 54 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned(t) and the boxes of candy they sold(b).
  
- 4) You can buy 11 pieces of chicken for \$30.69. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
  
- 5) A company used 155.00 lemons to make 31 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed (t) for each bottle of lemonade (b).
  
- 6) Using a water hose for 75 minutes used up 215.25 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used (t) and the minutes(m) used.
  
- 7) At a carnival it costs \$26.22 for 23 tickets. Write an equation that can be used to express the relationship between the total cost (t) and the number of tickets(n) you buy.
  
- 8) A phone store earned \$83.20 after they sold 40 phone cases. Write an equation that can be used to express the relationship between the total money earned (t) and the number of cases(c) sold.
  
- 9) A school had to buy 50 new science books and it ended up costing \$1,662.00 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
  
- 10) It cost \$578.40 for 80 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost(t) and the pounds of beef jerky(p) purchased.

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**Answers**

1.  $t = e400.00$

2.  $t = b5.00$

3.  $t = b3.14$

4.  $t = c2.79$

5.  $t = b5.00$

6.  $t = m2.87$

7.  $t = n1.14$

8.  $t = c2.08$

9.  $t = b33.24$

10.  $t = p7.23$

**Solve each problem.****Answers**

- 1) You can buy 9 pieces of chicken for \$26.73. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 2) A school fundraiser sold 20 candy bars and earned 40.80 dollars total. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and each candy bar sold( $b$ ).
- 3) A chef bought 99 bags of oranges at the supermarket and it cost her \$199.98. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of bags of oranges( $b$ ) purchased.
- 4) At a carnival it costs \$51.80 for 37 tickets. Write an equation that can be used to express the relationship between the total cost ( $t$ ) and the number of tickets( $n$ ) you buy.
- 5) A candy company made \$5.50 for every 2 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and the boxes of candy they sold( $b$ ).
- 6) Using 2 boxes of nails a carpenter was able to finish 8.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed( $t$ ) and the boxes of nails( $b$ ) used.
- 7) Using a water hose for 98 minutes used up 274.40 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used ( $t$ ) and the minutes( $m$ ) used.
- 8) A company used 200.00 lemons to make 40 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed ( $t$ ) for each bottle of lemonade ( $b$ ).
- 9) In a game defeating 17 enemies earns you 2,550.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 10) A school had to buy 5 new science books and it ended up costing \$419.90 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.

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**Answers**

1.  $t = c2.97$
2.  $t = b2.04$
3.  $t = b2.02$
4.  $t = n1.40$
5.  $t = b2.75$
6.  $t = b4.00$
7.  $t = m2.80$
8.  $t = b5.00$
9.  $t = e150.00$
10.  $t = b83.98$

**Solve each problem.****Answers**

- 1) A company used 420.00 lemons to make 84 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed ( $t$ ) for each bottle of lemonade ( $b$ ).
- 2) A candy company made \$120.00 for every 32 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and the boxes of candy they sold( $b$ ).
- 3) The combined weight of 26 concrete blocks is 406.64 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.
- 4) You can buy 23 pieces of chicken for \$40.48. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 5) Robin traveled 66.50 kilometers in 50 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 6) At a carnival it costs \$57.35 for 31 tickets. Write an equation that can be used to express the relationship between the total cost ( $t$ ) and the number of tickets( $n$ ) you buy.
- 7) In a game defeating 3 enemies earns you 150.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 8) A school had to buy 65 new science books and it ended up costing \$2,894.45 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.
- 9) Using 99 boxes of nails a carpenter was able to finish 198.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed( $t$ ) and the boxes of nails( $b$ ) used.
- 10) A phone store earned \$138.06 after they sold 59 phone cases. Write an equation that can be used to express the relationship between the total money earned ( $t$ ) and the number of cases( $c$ ) sold.

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**Solve each problem.**

- 1) A company used 420.00 lemons to make 84 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed ( $t$ ) for each bottle of lemonade ( $b$ ).
- 2) A candy company made \$120.00 for every 32 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and the boxes of candy they sold( $b$ ).
- 3) The combined weight of 26 concrete blocks is 406.64 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.
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**Answers**

1.  $t = b5.00$
2.  $t = b3.75$
3.  $t = b15.64$
4.  $t = c1.76$
5.  $t = m1.33$
6.  $t = n1.85$
7.  $t = e50.00$
8.  $t = b44.53$
9.  $t = b2.00$
10.  $t = c2.34$

**Solve each problem.****Answers**

- 1) A company used 335.00 lemons to make 67 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed ( $t$ ) for each bottle of lemonade ( $b$ ).
- 2) Using 64 boxes of nails a carpenter was able to finish 320.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed( $t$ ) and the boxes of nails( $b$ ) used.
- 3) Faye traveled 130.41 kilometers in 69 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 4) You can buy 22 pieces of chicken for \$65.78. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 5) At a carnival it costs \$328.52 for 86 tickets. Write an equation that can be used to express the relationship between the total cost ( $t$ ) and the number of tickets( $n$ ) you buy.
- 6) A school had to buy 44 new science books and it ended up costing \$833.36 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.
- 7) It cost \$1,232.15 for 95 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the pounds of beef jerky( $p$ ) purchased.
- 8) A candy company made \$101.32 for every 34 boxes of candy they sold. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and the boxes of candy they sold( $b$ ).
- 9) In a game defeating 73 enemies earns you 10,950.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 10) The combined weight of 19 concrete blocks is 289.56 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.

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**Answers**

1.  $t = b5.00$
2.  $t = b5.00$
3.  $t = m1.89$
4.  $t = c2.99$
5.  $t = n3.82$
6.  $t = b18.94$
7.  $t = p12.97$
8.  $t = b2.98$
9.  $t = e150.00$
10.  $t = b15.24$



**Solve each problem.****Answers**

- 1) Using a water hose for 80 minutes used up 107.20 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used ( $t$ ) and the minutes( $m$ ) used.
- 2) A school had to buy 15 new science books and it ended up costing \$1,235.25 total. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of books( $b$ ) purchased.
- 3) You can buy 21 pieces of chicken for \$41.37. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 4) Carol traveled 3.60 kilometers in 9 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 5) A phone store earned \$225.15 after they sold 95 phone cases. Write an equation that can be used to express the relationship between the total money earned ( $t$ ) and the number of cases( $c$ ) sold.
- 6) It cost \$1,851.55 for 95 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the pounds of beef jerky( $p$ ) purchased.
- 7) Using 99 boxes of nails a carpenter was able to finish 693.00 bird houses. Write an equation that can be used to express the relationship between the total number of birdhouses completed( $t$ ) and the boxes of nails( $b$ ) used.
- 8) The combined weight of 7 concrete blocks is 50.96 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.
- 9) In a game defeating 53 enemies earns you 13,250.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 10) A company used 420.00 lemons to make 60 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed ( $t$ ) for each bottle of lemonade ( $b$ ).

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**Answers**

1.  $t = m1.34$

2.  $t = b82.35$

3.  $t = c1.97$

4.  $t = m0.40$

5.  $t = c2.37$

6.  $t = p19.49$

7.  $t = b7.00$

8.  $t = b7.28$

9.  $t = e250.00$

10.  $t = b7.00$

**Solve each problem.****Answers**

- 1) The combined weight of 28 concrete blocks is 433.44 kilograms. Write an equation that can be used to express the relationship between the total weight( $t$ ) and the number of concrete blocks( $b$ ) you have.
- 2) A phone store earned \$16.65 after they sold 5 phone cases. Write an equation that can be used to express the relationship between the total money earned ( $t$ ) and the number of cases( $c$ ) sold.
- 3) You can buy 3 pieces of chicken for \$7.17. Write an equation that can be used to express the relationship between the total price( $t$ ) and the pieces of chicken( $c$ ) you buy.
- 4) A company used 396.00 lemons to make 44 bottles of lemonade. Write an equation that can be used to express the relationship between the total number of lemons needed ( $t$ ) for each bottle of lemonade ( $b$ ).
- 5) A chef bought 90 bags of oranges at the supermarket and it cost her \$215.10. Write an equation that can be used to express the relationship between the total cost( $t$ ) and the number of bags of oranges( $b$ ) purchased.
- 6) Nancy traveled 1.32 kilometers in 6 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled( $t$ ) and the minutes( $m$ ) it took.
- 7) In a game defeating 5 enemies earns you 2,000.00 total points. Write an equation that can be used to express the relationship between the total points earned ( $t$ ) and the number of enemies( $e$ ) you defeat.
- 8) Using a water hose for 70 minutes used up 249.20 total gallons of water. Write an equation that can be used to express the relationship between the total gallons used ( $t$ ) and the minutes( $m$ ) used.
- 9) A school fundraiser sold 5 candy bars and earned 13.00 dollars total. Write an equation that can be used to express the relationship between the total amount earned( $t$ ) and each candy bar sold( $b$ ).
- 10) At a carnival it costs \$76.32 for 48 tickets. Write an equation that can be used to express the relationship between the total cost ( $t$ ) and the number of tickets( $n$ ) you buy.

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**Answers**

1.  $t = b15.48$

2.  $t = c3.33$

3.  $t = c2.39$

4.  $t = b9.00$

5.  $t = b2.39$

6.  $t = m0.22$

7.  $t = e400.00$

8.  $t = m3.56$

9.  $t = b2.60$

10.  $t = n1.59$