

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

- 1) Using a water hose for 99 minutes used up 161.37 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) Emily traveled 122.45 kilometers in 79 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.
- 3) The combined weight of 18 concrete blocks is 165.96 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.
- 4) A school had to buy 14 new science books and it ended up costing \$1,312.08 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
- 5) It cost \$255.55 for 19 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) A company used 56.00 lemons to make 8 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).
- 7) Using 69 boxes of nails a carpenter was able to finish 138.00 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) A school fundraiser sold 61 candy bars and earned 193.98 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) A candy company made \$325.47 for every 57 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).
- 10) At a carnival it costs \$183.18 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.

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**Answers**

1.  **$t = m1.63$**
2.  **$t = m1.55$**
3.  **$t = b9.22$**
4.  **$t = b93.72$**
5.  **$t = p13.45$**
6.  **$t = b7.00$**
7.  **$t = b2.00$**
8.  **$t = b3.18$**
9.  **$t = b5.71$**
10.  **$t = n2.58$**