

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

- 1) At a carnival it costs \$156.10 for 70 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) A school had to buy 29 new science books and it ended up costing \$2,868.68 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) Using 33 boxes of nails a carpenter was able to finish 165.00 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.
- 4) A company used 64.00 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).
- 5) A school fundraiser sold 2 candy bars and earned 4.32 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).
- 6) Using a water hose for 54 minutes used up 143.64 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) A phone store earned \$163.88 after they sold 34 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.
- 8) A chef bought 75 bags of oranges at the supermarket and it cost her \$138.00. 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.
- 9) A candy company made \$238.74 for every 69 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) The combined weight of 26 concrete blocks is 303.94 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.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



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Answers

1. $t = n2.23$
2. $t = b98.92$
3. $t = b5.00$
4. $t = b8.00$
5. $t = b2.16$
6. $t = m2.66$
7. $t = c4.82$
8. $t = b1.84$
9. $t = b3.46$
10. $t = b11.69$