Solve each problem.

1) Using 50 boxes of nails a carpenter was able to finish 450 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.

$$t = b \cdot 9$$

2) A chef bought 3 bags of oranges at the supermarket and it cost her $5.82. Write an equation that can be used to express the relationship between the total cost ($t$) and the number of bags of oranges ($b$) purchased.

$$t = b \cdot 1.94$$

3) It cost $1,144.66 for 86 pounds of beef jerky. Write an equation that can be used to express the relationship between the total cost ($t$) and the pounds of beef jerky ($p$) purchased.

$$t = p \cdot 13.31$$

4) A school had to buy 27 new science books and it ended up costing $630.72 total. Write an equation that can be used to express the relationship between the total cost ($t$) and the number of books ($b$) purchased.

$$t = b \cdot 23.36$$

5) A company used 99 lemons to make 11 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 ($b$).

$$t = b$$

6) You can buy 4 pieces of chicken for $6.80. Write an equation that can be used to express the relationship between the total price ($t$) and the pieces of chicken ($c$) you buy.

$$t = c \cdot 1.70$$

7) The combined weight of 12 concrete blocks is 179.64 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.

$$t = b \cdot 14.97$$

8) Wendy traveled 73.96 kilometers in 86 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled ($t$) and the minutes ($m$) it took.

$$t = m \cdot 0.86$$

9) A phone store earned $105.45 after they sold 19 phone cases. Write an equation that can be used to express the relationship between the total money earned ($t$) and the number of cases ($c$) sold.

$$t = c \cdot 5.55$$

10) At a carnival it costs $6.54 for 3 tickets. Write an equation that can be used to express the relationship between the total cost ($t$) and the number of tickets ($n$) you buy.

$$t = n \cdot 2.18$$
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