# Expressing Equations

Name:

**Solve each problem.**

**1)** A school fundraiser sold 82 candy bars and earned 203.36 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).

**2)** A school had to buy 19 new science books and it ended up costing $886.92 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)** In a game defeating 26 enemies earns you 2,600 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.

**4)** The combined weight of 4 concrete blocks is 53.12 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.

**5)** A phone store earned $80.70 after they sold 15 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)** A company used 72 lemons to make 12 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)** A chef bought 57 bags of oranges at the supermarket and it cost her $101.46. 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.

**8)** It cost $2,311.54 for 77 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.

**9)** Amy traveled 14.52 kilometers in 66 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

**10)** A candy company made $34.50 for every 10 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).

**Answers**

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



| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |
|---|---|---|---|---|---|---|---|---|---|---|

Expressing Equations Name: **Answer Key**

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**Answers**

1. t = b2.48
2. t = b46.68
3. t = e100
4. t = b13.28
5. t = c5.38
6. t = b6
7. t = b1.78
8. t = p30.02
9. t = m0.22
10. t = b3.45



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