



## Expressing Equations

Name: \_\_\_\_\_

Solve each problem.

- 1) A company used 115 lemons to make 23 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) Haley traveled 13.34 kilometers in 29 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) Using 9 boxes of nails a carpenter was able to finish 45 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) The combined weight of 3 concrete blocks is 22.47 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) In a game defeating 52 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.
- 6) A phone store earned \$189.98 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.
- 7) A chef bought 83 bags of oranges at the supermarket and it cost her \$150.23. 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) A candy company made \$149.73 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).
- 9) A school had to buy 93 new science books and it ended up costing \$2,255.25 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
- 10) Using a water hose for 74 minutes used up 113.22 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.

## Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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**Answers**

1. **t = b5**
2. **t = m0.46**
3. **t = b5**
4. **t = b7.49**
5. **t = e50**
6. **t = c3.22**
7. **t = b1.81**
8. **t = b2.17**
9. **t = b24.25**
10. **t = m1.53**

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6. \_\_\_\_\_
7. \_\_\_\_\_
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9. \_\_\_\_\_
10. \_\_\_\_\_