

**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.
- 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.
- 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.
- 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.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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.

Answers

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- 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).
- 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.
- 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.
- 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.
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Answers

1. $t = b9$
2. $t = b1.94$
3. $t = p13.31$
4. $t = b23.36$
5. $t = b9$
6. $t = c1.70$
7. $t = b14.97$
8. $t = m0.86$
9. $t = c5.55$
10. $t = n2.18$

**Solve each problem.**

- 1) Using 20 boxes of nails a carpenter was able to finish 40 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.
- 2) A chef bought 60 bags of oranges at the supermarket and it cost her \$89.40. 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.
- 3) It cost \$654.36 for 42 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.
- 4) A school had to buy 63 new science books and it ended up costing \$3,622.50 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) A company used 392 lemons to make 49 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).
- 6) You can buy 24 pieces of chicken for \$50.64. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 7) The combined weight of 25 concrete blocks is 358.25 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.
- 8) Wendy traveled 22.04 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.
- 9) A phone store earned \$331.55 after they sold 95 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.
- 10) At a carnival it costs \$248.85 for 79 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.

Answers

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**Solve each problem.**

- 1) Using 20 boxes of nails a carpenter was able to finish 40 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.
- 2) A chef bought 60 bags of oranges at the supermarket and it cost her \$89.40. 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.
- 3) It cost \$654.36 for 42 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.
- 4) A school had to buy 63 new science books and it ended up costing \$3,622.50 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
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Answers

1. $t = b2$
2. $t = b1.49$
3. $t = p15.58$
4. $t = b57.50$
5. $t = b8$
6. $t = c2.11$
7. $t = b14.33$
8. $t = m0.76$
9. $t = c3.49$
10. $t = n3.15$



Solve each problem.

Answers

- 1) Using 12 boxes of nails a carpenter was able to finish 48 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.
- 2) A chef bought 46 bags of oranges at the supermarket and it cost her \$120.98. 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.
- 3) It cost \$716.52 for 84 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.
- 4) A school had to buy 31 new science books and it ended up costing \$642.01 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) A company used 534 lemons to make 89 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).
- 6) You can buy 6 pieces of chicken for \$9.42. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 7) The combined weight of 2 concrete blocks is 29.84 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.
- 8) Wendy traveled 4.50 kilometers in 3 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.
- 9) A phone store earned \$139.38 after they sold 69 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.
- 10) At a carnival it costs \$199.65 for 55 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. $t = b4$
2. $t = b2.63$
3. $t = p8.53$
4. $t = b20.71$
5. $t = b6$
6. $t = c1.57$
7. $t = b14.92$
8. $t = m1.50$
9. $t = c2.02$
10. $t = n3.63$



Solve each problem.

Answers

- 1) Using 99 boxes of nails a carpenter was able to finish 396 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.
- 2) A chef bought 97 bags of oranges at the supermarket and it cost her \$103.79. 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.
- 3) It cost \$627.20 for 40 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.
- 4) A school had to buy 59 new science books and it ended up costing \$3,898.72 total. Write an equation that can be used to express the relationship between the total cost(t) and the number of books(b) purchased.
- 5) A company used 420 lemons to make 70 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).
- 6) You can buy 10 pieces of chicken for \$24.80. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 7) The combined weight of 12 concrete blocks is 108.60 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.
- 8) Wendy traveled 79.91 kilometers in 61 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.
- 9) A phone store earned \$149.76 after they sold 72 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.
- 10) At a carnival it costs \$166.80 for 60 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. $t = b4$
2. $t = b1.07$
3. $t = p15.68$
4. $t = b66.08$
5. $t = b6$
6. $t = c2.48$
7. $t = b9.05$
8. $t = m1.31$
9. $t = c2.08$
10. $t = n2.78$



Solve each problem.

- 1) Using 43 boxes of nails a carpenter was able to finish 215 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.

- 2) A chef bought 40 bags of oranges at the supermarket and it cost her \$108.40. 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.

- 3) It cost \$73.50 for 10 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.

- 4) A school had to buy 84 new science books and it ended up costing \$5,984.16 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) A company used 672 lemons to make 84 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).

- 6) You can buy 4 pieces of chicken for \$8.04. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

- 7) The combined weight of 15 concrete blocks is 228.30 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.

- 8) Wendy traveled 0.84 kilometers in 7 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

- 9) A phone store earned \$280.14 after they sold 69 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.

- 10) At a carnival it costs \$110.40 for 92 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. $t = b5$
2. $t = b2.71$
3. $t = p7.35$
4. $t = b71.24$
5. $t = b8$
6. $t = c2.01$
7. $t = b15.22$
8. $t = m0.12$
9. $t = c4.06$
10. $t = n1.20$

**Solve each problem.**

- 1) Using 83 boxes of nails a carpenter was able to finish 332 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.
- 2) A chef bought 34 bags of oranges at the supermarket and it cost her \$77.86. 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.
- 3) It cost \$258.12 for 27 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.
- 4) A school had to buy 69 new science books and it ended up costing \$2,423.97 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) A company used 546 lemons to make 78 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).
- 6) You can buy 8 pieces of chicken for \$17.44. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 7) The combined weight of 21 concrete blocks is 319.62 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.
- 8) Wendy traveled 16.61 kilometers in 11 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.
- 9) A phone store earned \$87.75 after they sold 25 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.
- 10) At a carnival it costs \$66.64 for 28 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.

Answers

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- 10) At a carnival it costs \$66.64 for 28 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.

Answers

1. $t = b4$
2. $t = b2.29$
3. $t = p9.56$
4. $t = b35.13$
5. $t = b7$
6. $t = c2.18$
7. $t = b15.22$
8. $t = m1.51$
9. $t = c3.51$
10. $t = n2.38$



Solve each problem.

Answers

- 1) Using 81 boxes of nails a carpenter was able to finish 405 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.

- 2) A chef bought 45 bags of oranges at the supermarket and it cost her \$124.65. 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.

- 3) It cost \$335.92 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.

- 4) A school had to buy 63 new science books and it ended up costing \$5,916.33 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) A company used 800 lemons to make 80 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).

- 6) You can buy 11 pieces of chicken for \$19.91. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

- 7) The combined weight of 26 concrete blocks is 369.72 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.

- 8) Wendy traveled 137.74 kilometers in 71 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

- 9) A phone store earned \$124.80 after they sold 24 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.

- 10) At a carnival it costs \$138.00 for 92 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. $t = b5$
2. $t = b2.77$
3. $t = p17.68$
4. $t = b93.91$
5. $t = b10$
6. $t = c1.81$
7. $t = b14.22$
8. $t = m1.94$
9. $t = c5.20$
10. $t = n1.50$

**Solve each problem.**

- 1) Using 42 boxes of nails a carpenter was able to finish 294 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.
- 2) A chef bought 73 bags of oranges at the supermarket and it cost her \$96.36. 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.
- 3) It cost \$1,451.80 for 61 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.
- 4) A school had to buy 52 new science books and it ended up costing \$3,825.64 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) A company used 300 lemons to make 50 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).
- 6) You can buy 20 pieces of chicken for \$23.20. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.
- 7) The combined weight of 7 concrete blocks is 46.48 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.
- 8) Wendy traveled 157.53 kilometers in 89 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.
- 9) A phone store earned \$85.05 after they sold 27 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.
- 10) At a carnival it costs \$295.84 for 86 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.

Answers

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Answers

1. $t = b7$
2. $t = b1.32$
3. $t = p23.80$
4. $t = b73.57$
5. $t = b6$
6. $t = c1.16$
7. $t = b6.64$
8. $t = m1.77$
9. $t = c3.15$
10. $t = n3.44$



Solve each problem.

- 1) Using 51 boxes of nails a carpenter was able to finish 306 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.

- 2) A chef bought 80 bags of oranges at the supermarket and it cost her \$218.40. 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.

- 3) It cost \$453.80 for 20 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.

- 4) A school had to buy 28 new science books and it ended up costing \$2,416.96 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) A company used 259 lemons to make 37 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).

- 6) You can buy 24 pieces of chicken for \$49.20. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

- 7) The combined weight of 5 concrete blocks is 54.30 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.

- 8) Wendy traveled 92.59 kilometers in 47 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

- 9) A phone store earned \$260.55 after they sold 45 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.

- 10) At a carnival it costs \$57.66 for 31 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. $t = b6$
2. $t = b2.73$
3. $t = p22.69$
4. $t = b86.32$
5. $t = b7$
6. $t = c2.05$
7. $t = b10.86$
8. $t = m1.97$
9. $t = c5.79$
10. $t = n1.86$



Solve each problem.

Answers

- 1) Using 92 boxes of nails a carpenter was able to finish 552 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.

- 2) A chef bought 46 bags of oranges at the supermarket and it cost her \$104.42. 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.

- 3) It cost \$1,531.53 for 63 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.

- 4) A school had to buy 15 new science books and it ended up costing \$668.40 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) A company used 352 lemons to make 44 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).

- 6) You can buy 10 pieces of chicken for \$27.00. Write an equation that can be used to express the relationship between the total price(t) and the pieces of chicken(c) you buy.

- 7) The combined weight of 26 concrete blocks is 321.36 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.

- 8) Wendy traveled 15.36 kilometers in 96 minutes. Write an equation that can be used to express the relationship between the total kilometers traveled(t) and the minutes(m) it took.

- 9) A phone store earned \$119.75 after they sold 25 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.

- 10) At a carnival it costs \$116.50 for 50 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. $t = b6$
2. $t = b2.27$
3. $t = p24.31$
4. $t = b44.56$
5. $t = b8$
6. $t = c2.70$
7. $t = b12.36$
8. $t = m0.16$
9. $t = c4.79$
10. $t = n2.33$