Examining Y=KX

Name:

Solve each problem.

1) A baker used the equation Y=KX to calculate that he had made $81.54 after selling 6 boxes of his cookies for $13.59 each. How much would he have made had he sold 2 boxes?

2) The equation 38.64=(5.52)7 shows how much money you would make for recycling 7 pounds of cans. How much do you make per pound recycled?

3) A florist used the equation Y=KX to determine how many flowers she'd need for 4 bouquets. She determined she'd need 72 flowers. How many flowers were in each bouquet?

4) At the hardware store you can buy 4 boxes of bolts for $19.84. This can be expressed by the equation Y=KX. How much would it cost for one box?

5) A grocery store paid $70.38 for 2 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 2 crates?

6) A movie theater used Y=7.77X to calculate how much money they made selling buckets of popcorn where Y is the total and K is the price per bucket. How much would they make if they sold 7 buckets?

7) A construction contractor used the equation 22.00=(2.75)8 to calculate how much 8 boxes of nails would cost him. How much would 2 boxes of nails cost him?

8) An ice cream truck driver determined he had made $11.28 after selling 4 ice cream bars (using the equation y=kx). How much would he have earned if he sold 4 bars?

9) Olivia used the equation Y=KX to determine she would need 360 beads to create 8 necklaces. How many beads did she use per necklace?

10) An industrial printing machine printed 284 pages in 2 minutes. How many pages did it print in one minute?

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

Math

Solve each problem.

1) A baker used the equation Y=KX to calculate that he had made $81.54 after selling 6 boxes of his cookies for $13.59 each. How much would he have made had he sold 2 boxes?

1. **$27.18**

2) The equation 38.64=(5.52)7 shows how much money you would make for recycling 7 pounds of cans. How much do you make per pound recycled?

2. **$5.52**

3. **18**

3) A florist used the equation Y=KX to determine how many flowers she'd need for 4 bouquets. She determined she'd need 72 flowers. How many flowers were in each bouquet?

4. **$4.96**

5. **$70.38**

4) At the hardware store you can buy 4 boxes of bolts for $19.84. This can be expressed by the equation Y=KX. How much would it cost for one box?

6. **$54.39**

7. **$5.50**

8. **$11.28**

5) A grocery store paid $70.38 for 2 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 2 crates?

9. **45**

10. **142**

6) A movie theater used Y=7.77X to calculate how much money they made selling buckets of popcorn where Y is the total and K is the price per bucket. How much would they make if they sold 7 buckets?

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