Examining Y=KX

Name:

Solve each problem.

1) A construction contractor used the equation Y=KX to determine it would cost him $3.26 to buy 2 boxes of nails. How much is each box?

2) A baker used the equation Y=KX to calculate that he had made $67.50 after selling 6 boxes of his cookies for $11.25 each. How much would he have made had he sold 5 boxes?

3) The equation Y=KX shows you would make $20.25 for recycling 5 pounds of cans. How much would you make if you recycled 7 pounds?

4) A florist used the equation Y=KX to determine how many flowers she'd need for 5 bouquets. She determined she'd need 120 flowers. How many flowers were in each bouquet?

5) Carol used the equation 162=(27)6 to calculate many beads she would need to make 6 necklaces. How many beads would she need to make 9 necklaces?

6) An industrial printing machine printed 1776 pages in 8 minutes. How much would it have printed in 4 minutes?

7) A movie theater used Y={VARKX} 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 6 buckets?

8) The equation 112.88=(14.11)8 shows how much it cost for a company to buy 8 new uniforms. How much would it cost to buy 5 new uniforms?

9) An ice cream truck driver used the equation Y=KX to show how much money he made selling 4 ice cream bars. He determined he'd make $4.92. How much did he make per bar sold?

10) At the hardware store you can buy 2 boxes of bolts for $9.82. This can be expressed by the equation Y=KX. How much would it cost for one box?

Answers

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

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

Examining Y=KX Name: **Answer Key**

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Answers

1. $1.63
2. $56.25
3. $28.35
4. 24
5. 243
6. 888
7. $33.54
8. $70.55
9. $1.23
10. $4.91

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