Examining Y=KX

Name:

Solve each problem.

1) A baker used the equation Y=KX to calculate that he had made $70.74 after selling 6 boxes of his cookies for $11.79 each. How much would he have made had he sold 8 boxes?

2) A florist used the equation Y=KX to determine how many flowers she'd need for 6 bouquets. She determined she'd need 72 flowers. How many flowers were in each bouquet?

3) A construction contractor used the equation Y=KX to determine it would cost him $13.20 to buy 5 boxes of nails. How much is each box?

4) An industrial printing machine printed 390 pages in 3 minutes. How many pages did it print in one minute?

5) The equation Y=KX shows you would make $37.20 for recycling 8 pounds of cans. How much would you make if you recycled 9 pounds?

6) Amy used the equation 176=(44)4 to calculate many beads she would need to make 4 necklaces. How many beads would she need to make 6 necklaces?

7) A movie theater used Y=KX to calculate how much money they made selling 9 buckets of popcorn. They determined they made 36.81 dollars. How much was it for each bucket?

8) The equation 86.88=(10.86)8 shows how much it cost for a company to buy 8 new uniforms. How much does it cost per uniform?

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 $6.40. How much did he make per bar sold?

10) At the hardware store you can buy 8 boxes of bolts for $15.60. This can be expressed by the equation 15.60=(1.95)8. How much would it cost for 9 boxes?

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. $94.32
2. 12
3. $2.64
4. 130
5. $41.85
6. 264
7. $4.09
8. $10.86
9. $1.60
10. $17.55

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