Examining Y=KX

Name:

Solve each problem.

1) A baker used the equation Y=KX to calculate that he had made $69.65 after selling 5 boxes of his cookies for $13.93 each. How much would he have made had he sold 6 boxes?

2) A movie theater used Y=KX to calculate how much money they made selling 2 buckets of popcorn. They determined they made 7.06 dollars. How much was it for each bucket?

3) Robin used the equation Y=KX to determine she would need 112 beads to create 4 necklaces. How many beads did she use per necklace?

4) Using the equation 16.71=k3 you can calculate how much it would cost to buy 3 bags of apples. How much would it cost for 4 bags?

5) An industrial printing machine printed 1328 pages in 8 minutes. How much would it have printed in 6 minutes?

6) A grocery store paid $138.48 for 6 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 4 crates?

7) The equation 111.92=(13.99)8 shows how much it cost for a company to buy 8 new uniforms. How much does it cost per uniform?

8) A construction contractor used the equation 5.20=(2.6)2 to calculate how much 2 boxes of nails would cost him. How much would 9 boxes of nails cost him?

9) The equation 16.00=(3.2)5 shows how much money you would make for recycling 5 pounds of cans. How much do you make per pound recycled?

10) A florist used the equation Y=KX to determine how many flowers she'd need for 5 bouquets. She determined she'd need 80 flowers. How many flowers were in each bouquet?

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. **$83.58**
2. **$3.53**
3. **28**
4. **$22.28**
5. **996**
6. **$92.32**
7. **$13.99**
8. **$23.40**
9. **$3.20**
10. **16**

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