Examining Y=KX

Name:

Solve each problem.

1) The equation Y=KX shows you would make $36.75 for recycling 7 pounds of cans. How much would you make if you recycled 3 pounds?

2) A construction contractor used the equation Y=KX to determine it would cost him $3.10 to buy 2 boxes of nails. How much is each box?

3) An ice cream truck driver determined he had made $3.88 after selling 2 ice cream bars (using the equation y=kx). How much would he have earned if he sold 9 bars?

4) Olivia used the equation 150=(30)5 to calculate many beads she would need to make 5 necklaces. How many beads would she need to make 6 necklaces?

5) To determine how many pages would be needed to make 8 books you can use the equation, 696=(87)8. How many pages are in one book?

6) The equation 107.01=(11.89)9 shows how much it cost for a company to buy 9 new uniforms. How much would it cost to buy 4 new uniforms?

7) A movie theater used Y=KX to calculate how much money they made selling 9 buckets of popcorn. They determined they made 40.50 dollars. How much was it for each bucket?

8) A grocery store paid $282.42 for 6 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

9) The equation 28.08=k8 shows that buying 8 bags of apples would cost 28.08 dollars. How much is it for one bag?

10) At the hardware store you can buy 4 boxes of bolts for $15.20. 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. **$15.75**
2. **$1.55**
3. **$17.46**
4. **180**
5. **87**
6. **$47.56**
7. **$4.50**
8. **$47.07**
9. **$3.51**
10. **$3.80**

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