Examining Y=KX

Name:

Solve each problem.

1) Using the equation 19.86=k6 you can calculate how much it would cost to buy 6 bags of apples. How much would it cost for 4 bags?

1. _____

2. _____

2) A construction contractor used the equation 10.95=(2.19)5 to calculate how much 5 boxes of nails would cost him. How much would 5 boxes of nails cost him?

3. _____

3) The equation 122.58=(13.62)9 shows how much it cost for a company to buy 9 new uniforms. How much does it cost per uniform?

4. _____

5. _____

6. _____

4) A grocery store paid $305.52 for 6 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

7. _____

8. _____

5) Bianca used the equation Y=KX to determine she would need 111 beads to create 3 necklaces. How many beads did she use per necklace?

9. _____

10. _____

6) A movie theater used Y=4.17X 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 8 buckets?

7) A baker used the equation Y=KX to calculate that he had made $59.04 after selling 4 boxes of his cookies for $14.76 each. How much would he have made had he sold 3 boxes?

8) The equation Y=KX shows you would make $12.32 for recycling 4 pounds of cans. How much would you make if you recycled 9 pounds?

9) To determine how many pages would be needed to make 6 books you can use the equation, 186=(31)6. How many pages are in one book?

10) At the hardware store you can buy 2 boxes of bolts for $5.58. This can be expressed by the equation Y=KX. How much would it cost for one box?

Math

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	Answers
1.	**$13.24**
2.	**$10.95**
3.	**$13.62**
4.	**$50.92**
5.	**37**
6.	**$33.36**
7.	**$44.28**
8.	**$27.72**
9.	**31**
10.	**$2.79**

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