Examining Y=KX

Name:

Solve each problem.

1) A construction contractor used the equation 11.10=(2.22)5 to calculate how much 5 boxes of nails would cost him. How much would 9 boxes of nails cost him?

2) Using the equation 14.68=k4 you can calculate how much it would cost to buy 4 bags of apples. How much would it cost for 8 bags?

3) An industrial printing machine printed 666 pages in 6 minutes. How much would it have printed in 4 minutes?

4) A grocery store paid $219.96 for 9 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

5) The equation Y=KX shows you would make $12.12 for recycling 3 pounds of cans. How much would you make if you recycled 9 pounds?

6) At the hardware store you can buy 3 boxes of bolts for $13.71. This can be expressed by the equation Y=KX. How much would it cost for one box?

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 3 buckets?

8) An ice cream truck driver used the equation Y=KX to show how much money he made selling 3 ice cream bars. He determined he'd make $7.23. How much did he make per bar sold?

9) A florist used the equation Y=KX to determine how many flowers she'd need for 5 bouquets. She determined she'd need 75 flowers. How many flowers were in each bouquet?

10) Rachel used the equation Y=KX to determine she would need 104 beads to create 4 necklaces. How many beads did she use per necklace?

Answers

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

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

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Name: **Answer Key**

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Answers

1. **$19.98**
2. **$29.36**
3. **444**
4. **$24.44**
5. **$36.36**
6. **$4.57**
7. **$11.46**
8. **$2.41**
9. **15**
10. **26**

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