	Examining Y=KX	Name:

Solve each problem.

1) To determine how many pages would be need to make 7 books you can use the equation, 602=(86)7. How many pages would be in 9 books?

2) 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?

3) A florist used the equation Y=KX to determine how many flowers she'd need for 6 bouquets. She determined she'd need 126 flowers. How many flowers were in each bouquet?

4) A baker used the equation Y=KX to calculate that he had made $21.84 after selling 2 boxes of his cookies. How much did he make per box?

5) The equation 10.68=(3.56)3 shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?

6) A grocery store paid $139.68 for 4 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

7) Using the equation 17.30=k5 you can calculate how much it would cost to buy 5 bags of apples. How much would it cost for 6 bags?

8) At the hardware store you can buy 9 boxes of bolts for $29.16. This can be expressed by the equation 29.16=(3.24)9. How much would it cost for 4 boxes?

9) An industrial printing machine printed 2790 pages in 9 minutes. How much would it have printed in 5 minutes?

10) Faye used the equation Y=KX to determine she would need 130 beads to create 5 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

Math

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#	Answer
1.	**774**
2.	**$22.26**
3.	**21**
4.	**$10.92**
5.	**$3.56**
6.	**$34.92**
7.	**$20.76**
8.	**$12.96**
9.	**1550**
10.	**26**

Math