Examining Y=KX

Name:

Solve each problem.

1) Using the equation 49.41=k9 you can calculate how much it would cost to buy 9 bags of apples. How much would it cost for 4 bags?

2) A baker used the equation Y=KX to calculate that he had made $127.35 after selling 9 boxes of his cookies. How much did he make per box?

3) At the hardware store you can buy 3 boxes of bolts for $12.60. This can be expressed by the equation 12.60=(4.2)3. How much would it cost for 7 boxes?

4) Olivia used the equation Y=KX to determine she would need 180 beads to create 6 necklaces. How many beads did she use per necklace?

5) To determine how many pages would be needed to make 2 books you can use the equation, 166=(83)2. How many pages are in one book?

6) A grocery store paid $41.18 for 2 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 9 crates?

7) A florist used the equation 192=(24)8 to determine how many flowers she'd need for 8 bouquets. How many flowers would she need for 9 bouquets?

8) The equation 30.96=(3.44)9 shows how much money you would make for recycling 9 pounds of cans. How much do you make per pound recycled?

9) A construction contractor used the equation Y=KX to determine it would cost him $5.00 to buy 2 boxes of nails. How much is each box?

10) An industrial printing machine printed 444 pages in 4 minutes. How much would it have printed in 6 minutes?

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. **$21.96**
2. **$14.15**
3. **$29.40**
4. **30**
5. **83**
6. **$185.31**
7. **216**
8. **$3.44**
9. **$2.50**
10. **666**

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