Examining Y=KX

Name:

Solve each problem.

1) A baker used the equation Y=KX to calculate that he had made $117.84 after selling 8 boxes of his cookies for $14.73 each. How much would he have made had he sold 9 boxes?

2) A grocery store paid $127.04 for 4 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 3 crates?

3) The equation Y=KX shows you would make $16.68 for recycling 4 pounds of cans. How much would you make if you recycled 5 pounds?

4) A florist used the equation Y=KX to determine how many flowers she'd need for 9 bouquets. She determined she'd need 252 flowers. How many flowers were in each bouquet?

5) The equation 118.44=(13.16)9 shows how much it cost for a company to buy 9 new uniforms. How much does it cost per uniform?

6) An ice cream truck driver used the equation Y=KX to show how much money he made selling 9 ice cream bars. He determined he'd make $17.46. How much did he make per bar sold?

7) An industrial printing machine printed 2979 pages in 9 minutes. How many pages did it print in one minute?

8) Robin used the equation 368=(46)8 to calculate many beads she would need to make 8 necklaces. How many beads would she need to make 4 necklaces?

9) The equation 47.44=k8 shows that buying 8 bags of apples would cost 47.44 dollars. How much is it for one bag?

10) At the hardware store you can buy 4 boxes of bolts for $12.96. This can be expressed by the equation 12.96=(3.24)4. How much would it cost for 5 boxes?

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. $132.57
2. $95.28
3. $20.85
4. 28
5. $13.16
6. $1.94
7. 331
8. 184
9. $5.93
10. $16.20

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