Examining Y=KX

Name:

Solve each problem.

1) A grocery store paid $273.12 for 8 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 9 crates?

2) At the hardware store you can buy 8 boxes of bolts for $31.76. This can be expressed by the equation Y=KX. How much would it cost for one box?

3) The equation 108.18=(12.02)9 shows how much it cost for a company to buy 9 new uniforms. How much would it cost to buy 5 new uniforms?

4) An industrial printing machine printed 2784 pages in 8 minutes. How many pages did it print in one minute?

5) A construction contractor used the equation 15.75=(2.25)7 to calculate how much 7 boxes of nails would cost him. How much would 5 boxes of nails cost him?

6) To determine how many pages would be needed to make 7 books you can use the equation, 427=(61)7. How many pages are in one book?

7) The equation Y=KX shows you would make $14.96 for recycling 4 pounds of cans. How much would you make if you recycled 8 pounds?

8) A baker used the equation Y=KX to calculate that he had made $105.76 after selling 8 boxes of his cookies for $13.22 each. How much would he have made had he sold 2 boxes?

9) An ice cream truck driver used the equation Y=KX to show how much money he made selling 6 ice cream bars. He determined he'd make $6.66. How much did he make per bar sold?

10) Using the equation 15.04=k4 you can calculate how much it would cost to buy 4 bags of apples. How much would it cost for 9 bags?

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. **$307.26**
2. **$3.97**
3. **$60.10**
4. **348**
5. **$11.25**
6. **61**
7. **$29.92**
8. **$26.44**
9. **$1.11**
10. **$33.84**

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