Examining Y=KX

Name:

Solve each problem.

1) At the hardware store you can buy 9 boxes of bolts for $19.71. This can be expressed by the equation Y=KX. How much would it cost for one box?

2) A movie theater used Y=KX to calculate how much money they made selling 9 buckets of popcorn. They determined they made 47.70 dollars. How much was it for each bucket?

3) An industrial printing machine printed 1064 pages in 8 minutes. How many pages did it print in one minute?

4) The equation 36.40=k7 shows that buying 7 bags of apples would cost 36.40 dollars. How much is it for one bag?

5) The equation 31.64=(15.82)2 shows how much it cost for a company to buy 2 new uniforms. How much would it cost to buy 6 new uniforms?

6) A florist used the equation 80=(20)4 to determine how many flowers she'd need for 4 bouquets. How many flowers would she need for 9 bouquets?

7) An ice cream truck driver used the equation Y=KX to show how much money he made selling 4 ice cream bars. He determined he'd make $5.48. How much did he make per bar sold?

8) The equation Y=KX shows you would make $35.58 for recycling 6 pounds of cans. How much would you make if you recycled 9 pounds?

9) To determine how many pages would be need to make 3 books you can use the equation, 162=(54)3. How many pages would be in 4 books?

10) A grocery store paid $114.64 for 4 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 7 crates?

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. **$2.19**
2. **$5.30**
3. **133**
4. **$5.20**
5. **$94.92**
6. **180**
7. **$1.37**
8. **$53.37**
9. **216**
10. **$200.62**

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