Examining Y=KX

Name:

Solve each problem.

1) An industrial printing machine printed 706 pages in 2 minutes. How many pages did it print in one minute?

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 6 buckets?

3) At the hardware store you can buy 9 boxes of bolts for $40.86. This can be expressed by the equation Y=KX. How much would it cost for one box?

4) Using the equation 16.50=k3 you can calculate how much it would cost to buy 3 bags of apples. How much would it cost for 4 bags?

5) The equation 20.28=(10.14)2 shows how much it cost for a company to buy 2 new uniforms. How much does it cost per uniform?

6) A grocery store paid $79.83 for 3 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 7 crates?

7) The equation Y=KX shows you would make $6.88 for recycling 2 pounds of cans. How much would you make if you recycled 3 pounds?

8) A construction contractor used the equation Y=KX to determine it would cost him $3.60 to buy 2 boxes of nails. How much is each box?

9) To determine how many pages would be need to make 7 books you can use the equation, 609=(87)7. How many pages would be in 3 books?

10) Faye used the equation 190=(38)5 to calculate many beads she would need to make 5 necklaces. How many beads would she need to make 2 necklaces?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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

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Name: **Answer Key**

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Answers

1. **353**
2. **$20.64**
3. **$4.54**
4. **$22.00**
5. **$10.14**
6. **$186.27**
7. **$10.32**
8. **$1.80**
9. **261**
10. **76**

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