Solve each problem.

1) At the hardware store you can buy 5 boxes of bolts for $18.90. This can be expressed by the equation Y=KX. How much would it cost for one box?

2) A baker used the equation Y=KX to calculate that he had made $45.81 after selling 3 boxes of his cookies for $15.27 each. How much would he have made had he sold 7 boxes?

3) The equation Y=KX shows you would make $22.75 for recycling 7 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 4 bouquets. She determined she'd need 60 flowers. How many flowers were in each bouquet?

5) To determine how many pages would be needed to make 6 books you can use the equation, 156=(26)6. How many pages are in one book?

6) A grocery store paid $155.00 for 4 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

7) The equation 92.80=(11.6)8 shows how much it cost for a company to buy 8 new uniforms. How much would it cost to buy 7 new uniforms?

8) 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 9 buckets?

9) 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 $10.62. How much did he make per bar sold?

10) Carol used the equation 90=(30)3 to calculate many beads she would need to make 3 necklaces. How many beads would she need to make 5 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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Answers

1. **$3.78**
2. **$106.89**
3. **$16.25**
4. **15**
5. **26**
6. **$38.75**
7. **$81.20**
8. **$36.90**
9. **$1.18**
10. **150**

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