

**Solve each problem.****Answers**

- 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  $Y=\{VAR KX\}$  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?

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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