

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

- 1) A movie theater used $Y=KX$ 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 6 buckets?
- 2) At the hardware store you can buy 8 boxes of bolts for \$14.08. This can be expressed by the equation $14.08=(1.76)8$. How much would it cost for 4 boxes?
- 3) A grocery store paid \$311.85 for 7 crates of milk. This can be expressed by the equation $Y=KX$. How much would they have paid for 2 crates?
- 4) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 7 ice cream bars. He determined he'd make \$14.70. How much did he make per bar sold?
- 5) Maria used the equation $232=(29)8$ to calculate many beads she would need to make 8 necklaces. How many beads would she need to make 5 necklaces?
- 6) The equation $16.38=(5.46)3$ shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?
- 7) Using the equation $9.78=k3$ you can calculate how much it would cost to buy 3 bags of apples. How much would it cost for 4 bags?
- 8) A baker used the equation $Y=KX$ to calculate that he had made \$73.85 after selling 7 boxes of his cookies. How much did he make per box?
- 9) An industrial printing machine printed 2331 pages in 9 minutes. How many pages did it print in one minute?
- 10) A construction contractor used the equation $Y=KX$ to determine it would cost him \$14.13 to buy 9 boxes of nails. How much is each box?

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



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Answers

1. \$27.60
2. \$7.04
3. \$89.10
4. \$2.10
5. 145
6. \$5.46
7. \$13.04
8. \$10.55
9. 259
10. \$1.57