

**Solve each problem.**

- 1) A grocery store paid \$273.35 for 7 crates of milk. This can be expressed by the equation $Y=KX$. How much would they have paid for 7 crates?
- 2) A baker used the equation $Y=KX$ to calculate that he had made \$72.31 after selling 7 boxes of his cookies. How much did he make per box?
- 3) A movie theater used $Y=3.96X$ 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 8 buckets?
- 4) A construction contractor used the equation $9.55=(1.91)5$ to calculate how much 5 boxes of nails would cost him. How much would 9 boxes of nails cost him?
- 5) The equation $27.76=(13.88)2$ shows how much it cost for a company to buy 2 new uniforms. How much does it cost per uniform?
- 6) To determine how many pages would be need to make 9 books you can use the equation, $891=(99)9$. How many pages would be in 9 books?
- 7) The equation $Y=KX$ shows you would make \$23.52 for recycling 4 pounds of cans. How much would you make if you recycled 7 pounds?
- 8) A florist used the equation $Y=KX$ to determine how many flowers she'd need for 7 bouquets. She determined she'd need 161 flowers. How many flowers were in each bouquet?
- 9) At the hardware store you can buy 4 boxes of bolts for \$8.16. This can be expressed by the equation $8.16=(2.04)4$. How much would it cost for 8 boxes?
- 10) The equation $36.72=k9$ shows that buying 9 bags of apples would cost 36.72 dollars. How much is it for one bag?

Answers

1. _____
2. _____
3. _____
4. _____
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10. _____

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Answers

1. \$273.35
2. \$10.33
3. \$31.68
4. \$17.19
5. \$13.88
6. 891
7. \$41.16
8. 23
9. \$16.32
10. \$4.08