

**Solve each problem.**

- 1) The equation $110.32 = (13.79)8$ shows how much it cost for a company to buy 8 new uniforms. How much would it cost to buy 3 new uniforms?

- 2) The equation $34.02 = (5.67)6$ shows how much money you would make for recycling 6 pounds of cans. How much do you make per pound recycled?

- 3) 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?

- 4) An industrial printing machine printed 1176 pages in 8 minutes. How much would it have printed in 5 minutes?

- 5) A construction contractor used the equation $8.80 = (2.2)4$ to calculate how much 4 boxes of nails would cost him. How much would 5 boxes of nails cost him?

- 6) A florist used the equation $70 = (14)5$ to determine how many flowers she'd need for 5 bouquets. How many flowers would she need for 9 bouquets?

- 7) 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 \$12.81. How much did he make per bar sold?

- 8) A baker used the equation $Y = KX$ to calculate that he had made \$126.48 after selling 8 boxes of his cookies. How much did he make per box?

- 9) A grocery store paid \$204.50 for 5 crates of milk. This can be expressed by the equation $Y = KX$. How much was it for one crate?

- 10) Janet used the equation $Y = KX$ to determine she would need 129 beads to create 3 necklaces. How many beads did she use per necklace?

Answers

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

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Answers1. **\$41.37**2. **\$5.67**3. **\$39.48**4. **735**5. **\$11.00**6. **126**7. **\$1.83**8. **\$15.81**9. **\$40.90**10. **43**