

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

- 1) A baker used the equation  $Y=KX$  to calculate that he had made \$71.75 after selling 5 boxes of his cookies. How much did he make per box?
- 2) An industrial printing machine printed 1841 pages in 7 minutes. How many pages did it print in one minute?
- 3) 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?
- 4) A grocery store paid \$91.72 for 4 crates of milk. This can be expressed by the equation  $Y=KX$ . How much was it for one crate?
- 5) To determine how many pages would be need to make 9 books you can use the equation,  $882=(98)9$ . How many pages would be in 7 books?
- 6) A construction contractor used the equation  $Y=KX$  to determine it would cost him \$15.36 to buy 6 boxes of nails. How much is each box?
- 7) The equation  $87.76=(10.97)8$  shows how much it cost for a company to buy 8 new uniforms. How much does it cost per uniform?
- 8) At the hardware store you can buy 8 boxes of bolts for \$18.24. This can be expressed by the equation  $18.24=(2.28)8$ . How much would it cost for 4 boxes?
- 9) The equation  $15.12=(5.04)3$  shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?
- 10) Faye used the equation  $147=(49)3$  to calculate many beads she would need to make 3 necklaces. How many beads would she need to make 8 necklaces?

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**Answers**

1. \$14.35
2. 263
3. \$23.34
4. \$22.93
5. 686
6. \$2.56
7. \$10.97
8. \$9.12
9. \$5.04
10. 392