

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

- 1) Janet used the equation  $Y=KX$  to determine she would need 272 beads to create 8 necklaces. How many beads did she use per necklace?
- 2) A construction contractor used the equation  $10.02=(1.67)6$  to calculate how much 6 boxes of nails would cost him. How much would 4 boxes of nails cost him?
- 3) The equation  $46.32=(5.79)8$  shows how much money you would make for recycling 8 pounds of cans. How much do you make per pound recycled?
- 4) To determine how many pages would be needed to make 8 books you can use the equation,  $344=(43)8$ . How many pages are in one book?
- 5) Using the equation  $28.16=k8$  you can calculate how much it would cost to buy 8 bags of apples. How much would it cost for 4 bags?
- 6) An ice cream truck driver determined he had made \$18.16 after selling 8 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 3 bars?
- 7) An industrial printing machine printed 1260 pages in 4 minutes. How many pages did it print in one minute?
- 8) A florist used the equation  $Y=KX$  to determine how many flowers she'd need for 5 bouquets. She determined she'd need 135 flowers. How many flowers were in each bouquet?
- 9) A baker used the equation  $Y=KX$  to calculate that he had made \$103.05 after selling 9 boxes of his cookies. How much did he make per box?
- 10) 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?

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**Answers**

1. **34**
2. **\$6.68**
3. **\$5.79**
4. **43**
5. **\$14.08**
6. **\$6.81**
7. **315**
8. **27**
9. **\$11.45**
10. **\$43.02**