

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

- 1) To determine how many pages would be needed to make 3 books you can use the equation, $195=(65)3$. How many pages are in one book?
- 2) Nancy used the equation $94=(47)2$ to calculate many beads she would need to make 2 necklaces. How many beads would she need to make 8 necklaces?
- 3) The equation $102.60=(11.4)9$ shows how much it cost for a company to buy 9 new uniforms. How much does it cost per uniform?
- 4) A baker used the equation $Y=KX$ to calculate that he had made \$89.10 after selling 6 boxes of his cookies for \$14.85 each. How much would he have made had he sold 2 boxes?
- 5) A grocery store paid \$273.77 for 7 crates of milk. This can be expressed by the equation $Y=KX$. How much would they have paid for 3 crates?
- 6) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 6 ice cream bars. He determined he'd make \$7.20. How much did he make per bar sold?
- 7) Using the equation $18.16=k4$ you can calculate how much it would cost to buy 4 bags of apples. How much would it cost for 7 bags?
- 8) 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 7 buckets?
- 9) The equation $Y=KX$ shows you would make \$13.29 for recycling 3 pounds of cans. How much would you make if you recycled 2 pounds?
- 10) A construction contractor used the equation $Y=KX$ to determine it would cost him \$6.60 to buy 5 boxes of nails. How much is each box?

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



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Answers

1. 65
2. 376
3. \$11.40
4. \$29.70
5. \$117.33
6. \$1.20
7. \$31.78
8. \$32.76
9. \$8.86
10. \$1.32