

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

- 1) A construction contractor used the equation  $Y=KX$  to determine it would cost him \$5.91 to buy 3 boxes of nails. How much is each box?
- 2) The equation  $34.79=k7$  shows that buying 7 bags of apples would cost 34.79 dollars. How much is it for one bag?
- 3) An industrial printing machine printed 570 pages in 3 minutes. How much would it have printed in 6 minutes?
- 4) An ice cream truck driver determined he had made \$3.96 after selling 2 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 5 bars?
- 5) 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?
- 6) A grocery store paid \$133.92 for 4 crates of milk. This can be expressed by the equation  $Y=KX$ . How much would they have paid for 7 crates?
- 7) To determine how many pages would be needed to make 4 books you can use the equation,  $244=(61)4$ . How many pages are in one book?
- 8) At the hardware store you can buy 4 boxes of bolts for \$16.52. This can be expressed by the equation  $16.52=(4.13)4$ . How much would it cost for 8 boxes?
- 9) A florist used the equation  $Y=KX$  to determine how many flowers she'd need for 5 bouquets. She determined she'd need 105 flowers. How many flowers were in each bouquet?
- 10) A baker used the equation  $Y=KX$  to calculate that he had made \$66.70 after selling 5 boxes of his cookies for \$13.34 each. How much would he have made had he sold 8 boxes?

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**Answers**

1. **\$1.97**
2. **\$4.97**
3. **1140**
4. **\$9.90**
5. **\$71.64**
6. **\$234.36**
7. **61**
8. **\$33.04**
9. **21**
10. **\$106.72**