

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

- 1) To determine how many pages would be needed to make 5 books you can use the equation,  $230=(46)5$ . How many pages are in one book?
- 2) Using the equation  $22.56=k4$  you can calculate how much it would cost to buy 4 bags of apples. How much would it cost for 3 bags?
- 3) A construction contractor used the equation  $Y=KX$  to determine it would cost him \$8.92 to buy 4 boxes of nails. How much is each box?
- 4) An ice cream truck driver used the equation  $Y=KX$  to show how much money he made selling 8 ice cream bars. He determined he'd make \$15.28. How much did he make per bar sold?
- 5) A baker used the equation  $Y=KX$  to calculate that he had made \$79.40 after selling 5 boxes of his cookies for \$15.88 each. How much would he have made had he sold 7 boxes?
- 6) Emily used the equation  $Y=KX$  to determine she would need 129 beads to create 3 necklaces. How many beads did she use per necklace?
- 7) A florist used the equation  $119=(17)7$  to determine how many flowers she'd need for 7 bouquets. How many flowers would she need for 3 bouquets?
- 8) At the hardware store you can buy 7 boxes of bolts for \$29.05. This can be expressed by the equation  $29.05=(4.15)7$ . How much would it cost for 5 boxes?
- 9) An industrial printing machine printed 309 pages in 3 minutes. How much would it have printed in 6 minutes?
- 10) 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 5 buckets?

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**Answers**

1. 46
2. \$16.92
3. \$2.23
4. \$1.91
5. \$111.16
6. 43
7. 51
8. \$20.75
9. 618
10. \$25.50