

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

- 1) A florist used the equation $102=(17)6$ to determine how many flowers she'd need for 6 bouquets. How many flowers would she need for 5 bouquets?
- 2) To determine how many pages would be need to make 2 books you can use the equation, $184=(92)2$. How many pages would be in 3 books?
- 3) At the hardware store you can buy 7 boxes of bolts for \$11.48. This can be expressed by the equation $11.48=(1.64)7$. How much would it cost for 8 boxes?
- 4) Emily used the equation $Y=KX$ to determine she would need 156 beads to create 4 necklaces. How many beads did she use per necklace?
- 5) An industrial printing machine printed 1788 pages in 6 minutes. How many pages did it print in one minute?
- 6) A movie theater used $Y=KX$ to calculate how much money they made selling 7 buckets of popcorn. They determined they made 22.33 dollars. How much was it for each bucket?
- 7) A baker used the equation $Y=KX$ to calculate that he had made \$69.24 after selling 6 boxes of his cookies for \$11.54 each. How much would he have made had he sold 2 boxes?
- 8) A construction contractor used the equation $4.46=(2.23)2$ to calculate how much 2 boxes of nails would cost him. How much would 6 boxes of nails cost him?
- 9) A grocery store paid \$338.59 for 7 crates of milk. This can be expressed by the equation $Y=KX$. How much would they have paid for 6 crates?
- 10) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 3 ice cream bars. He determined he'd make \$6.72. How much did he make per bar sold?

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| 1) A florist used the equation $102=(17)6$ to determine how many flowers she'd need for 6 bouquets. How many flowers would she need for 5 bouquets? | 1. <u>85</u> |
| 2) To determine how many pages would be need to make 2 books you can use the equation, $184=(92)2$. How many pages would be in 3 books? | 2. <u>276</u> |
| 3) At the hardware store you can buy 7 boxes of bolts for \$11.48. This can be expressed by the equation $11.48=(1.64)7$. How much would it cost for 8 boxes? | 3. <u>\$13.12</u> |
| 4) Emily used the equation $Y=KX$ to determine she would need 156 beads to create 4 necklaces. How many beads did she use per necklace? | 4. <u>39</u> |
| 5) An industrial printing machine printed 1788 pages in 6 minutes. How many pages did it print in one minute? | 5. <u>298</u> |
| 6) A movie theater used $Y=KX$ to calculate how much money they made selling 7 buckets of popcorn. They determined they made 22.33 dollars. How much was it for each bucket? | 6. <u>\$3.19</u> |
| 7) A baker used the equation $Y=KX$ to calculate that he had made \$69.24 after selling 6 boxes of his cookies for \$11.54 each. How much would he have made had he sold 2 boxes? | 7. <u>\$23.08</u> |
| 8) A construction contractor used the equation $4.46=(2.23)2$ to calculate how much 2 boxes of nails would cost him. How much would 6 boxes of nails cost him? | 8. <u>\$13.38</u> |
| 9) A grocery store paid \$338.59 for 7 crates of milk. This can be expressed by the equation $Y=KX$. How much would they have paid for 6 crates? | 9. <u>\$290.22</u> |
| 10) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 3 ice cream bars. He determined he'd make \$6.72. How much did he make per bar sold? | 10. <u>\$2.24</u> |