

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

- 1) The equation $26.26=(13.13)2$ shows how much it cost for a company to buy 2 new uniforms. How much does it cost per uniform?
- 2) To determine how many pages would be needed to make 6 books you can use the equation, $432=(72)6$. How many pages are in one book?
- 3) At the hardware store you can buy 3 boxes of bolts for \$5.64. This can be expressed by the equation $Y=KX$. How much would it cost for one box?
- 4) A grocery store paid \$176.10 for 5 crates of milk. This can be expressed by the equation $Y=KX$. How much was it for one crate?
- 5) A movie theater used $Y=KX$ to calculate how much money they made selling 2 buckets of popcorn. They determined they made 15.82 dollars. How much was it for each bucket?
- 6) A baker used the equation $Y=KX$ to calculate that he had made \$28.68 after selling 2 boxes of his cookies for \$14.34 each. How much would he have made had he sold 6 boxes?
- 7) An industrial printing machine printed 1540 pages in 4 minutes. How much would it have printed in 9 minutes?
- 8) The equation $Y=KX$ shows you would make \$26.88 for recycling 6 pounds of cans. How much would you make if you recycled 9 pounds?
- 9) A florist used the equation $Y=KX$ to determine how many flowers she'd need for 7 bouquets. She determined she'd need 147 flowers. How many flowers were in each bouquet?
- 10) A construction contractor used the equation $13.02=(2.17)6$ to calculate how much 6 boxes of nails would cost him. How much would 9 boxes of nails cost him?

1. _____
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7. _____
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9. _____
10. _____

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|---|--------------------|
| 1) The equation $26.26=(13.13)2$ shows how much it cost for a company to buy 2 new uniforms. How much does it cost per uniform? | 1. \$13.13 |
| 2) To determine how many pages would be needed to make 6 books you can use the equation, $432=(72)6$. How many pages are in one book? | 2. 72 |
| 3) At the hardware store you can buy 3 boxes of bolts for \$5.64. This can be expressed by the equation $Y=KX$. How much would it cost for one box? | 3. \$1.88 |
| 4) A grocery store paid \$176.10 for 5 crates of milk. This can be expressed by the equation $Y=KX$. How much was it for one crate? | 4. \$35.22 |
| 5) A movie theater used $Y=KX$ to calculate how much money they made selling 2 buckets of popcorn. They determined they made 15.82 dollars. How much was it for each bucket? | 5. \$7.91 |
| 6) A baker used the equation $Y=KX$ to calculate that he had made \$28.68 after selling 2 boxes of his cookies for \$14.34 each. How much would he have made had he sold 6 boxes? | 6. \$86.04 |
| 7) An industrial printing machine printed 1540 pages in 4 minutes. How much would it have printed in 9 minutes? | 7. 3465 |
| 8) The equation $Y=KX$ shows you would make \$26.88 for recycling 6 pounds of cans. How much would you make if you recycled 9 pounds? | 8. \$40.32 |
| 9) A florist used the equation $Y=KX$ to determine how many flowers she'd need for 7 bouquets. She determined she'd need 147 flowers. How many flowers were in each bouquet? | 9. 21 |
| 10) A construction contractor used the equation $13.02=(2.17)6$ to calculate how much 6 boxes of nails would cost him. How much would 9 boxes of nails cost him? | 10. \$19.53 |