

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

- 1) A baker used the equation $Y=KX$ to calculate that he had made \$74.94 after selling 6 boxes of his cookies. How much did he make per box?
- 2) An industrial printing machine printed 1585 pages in 5 minutes. How much would it have printed in 8 minutes?
- 3) A construction contractor used the equation $Y=KX$ to determine it would cost him \$12.81 to buy 7 boxes of nails. How much is each box?
- 4) At the hardware store you can buy 4 boxes of bolts for \$19.84. This can be expressed by the equation $Y=KX$. How much would it cost for one box?
- 5) Zoe used the equation $Y=KX$ to determine she would need 140 beads to create 4 necklaces. How many beads did she use per necklace?
- 6) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 7 ice cream bars. He determined he'd make \$19.46. How much did he make per bar sold?
- 7) To determine how many pages would be need to make 2 books you can use the equation, $142=(71)2$. How many pages would be in 6 books?
- 8) A movie theater used $Y=4.05X$ 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?
- 9) Using the equation $9.21=k3$ you can calculate how much it would cost to buy 3 bags of apples. How much would it cost for 5 bags?
- 10) A grocery store paid \$224.24 for 8 crates of milk. This can be expressed by the equation $Y=KX$. How much was it for one crate?

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

**Solve each problem.**

- 1) A baker used the equation $Y=KX$ to calculate that he had made \$74.94 after selling 6 boxes of his cookies. How much did he make per box?
- 2) An industrial printing machine printed 1585 pages in 5 minutes. How much would it have printed in 8 minutes?
- 3) A construction contractor used the equation $Y=KX$ to determine it would cost him \$12.81 to buy 7 boxes of nails. How much is each box?
- 4) At the hardware store you can buy 4 boxes of bolts for \$19.84. This can be expressed by the equation $Y=KX$. How much would it cost for one box?
- 5) Zoe used the equation $Y=KX$ to determine she would need 140 beads to create 4 necklaces. How many beads did she use per necklace?
- 6) An ice cream truck driver used the equation $Y=KX$ to show how much money he made selling 7 ice cream bars. He determined he'd make \$19.46. How much did he make per bar sold?
- 7) To determine how many pages would be need to make 2 books you can use the equation, $142=(71)2$. How many pages would be in 6 books?
- 8) A movie theater used $Y=4.05X$ 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?
- 9) Using the equation $9.21=k3$ you can calculate how much it would cost to buy 3 bags of apples. How much would it cost for 5 bags?
- 10) A grocery store paid \$224.24 for 8 crates of milk. This can be expressed by the equation $Y=KX$. How much was it for one crate?

Answers

1. \$12.49
2. 2536
3. \$1.83
4. \$4.96
5. 35
6. \$2.78
7. 426
8. \$36.45
9. \$15.35
10. \$28.03