

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

- 1) A construction contractor used the equation  $Y=KX$  to determine it would cost him \$20.43 to buy 9 boxes of nails. How much is each box?
- 2) To determine how many pages would be needed to make 5 books you can use the equation,  $395=(79)5$ . How many pages are in one book?
- 3) The equation  $21.42=(10.71)2$  shows how much it cost for a company to buy 2 new uniforms. How much would it cost to buy 7 new uniforms?
- 4) The equation  $36.40=(4.55)8$  shows how much money you would make for recycling 8 pounds of cans. How much do you make per pound recycled?
- 5) A movie theater used  $Y=KX$  to calculate how much money they made selling 3 buckets of popcorn. They determined they made 23.16 dollars. How much was it for each bucket?
- 6) A grocery store paid \$273.56 for 7 crates of milk. This can be expressed by the equation  $Y=KX$ . How much would they have paid for 4 crates?
- 7) An industrial printing machine printed 909 pages in 9 minutes. How much would it have printed in 7 minutes?
- 8) Vanessa used the equation  $Y=KX$  to determine she would need 423 beads to create 9 necklaces. How many beads did she use per necklace?
- 9) An ice cream truck driver determined he had made \$6.85 after selling 5 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 6 bars?
- 10) The equation  $11.88=k2$  shows that buying 2 bags of apples would cost 11.88 dollars. How much is it for one bag?

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**Answers**

1. \$2.27
2. 79
3. \$74.97
4. \$4.55
5. \$7.72
6. \$156.32
7. 707
8. 47
9. \$8.22
10. \$5.94