Name:

Solve each problem.

1) To determine how many pages would be need to make 4 books you can use the equation, 348=(87)4. How many pages would be in 5 books?

1. _____

2. _____

2) A construction contractor used the equation Y=KX to determine it would cost him $7.86 to buy 3 boxes of nails. How much is each box?

3. _____

4. _____

3) An ice cream truck driver used the equation Y=KX to show how much money he made selling 4 ice cream bars. He determined he'd make $8.04. How much did he make per bar sold?

5. _____

6. _____

4) Using the equation 27.90=k5 you can calculate how much it would cost to buy 5 bags of apples. How much would it cost for 7 bags?

7. _____

8. _____

5) The equation 13.68=(4.56)3 shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?

9. _____

10. _____

6) The equation 40.74=(13.58)3 shows how much it cost for a company to buy 3 new uniforms. How much would it cost to buy 2 new uniforms?

7) An industrial printing machine printed 206 pages in 2 minutes. How much would it have printed in 5 minutes?

8) A baker used the equation Y=KX to calculate that he had made $89.18 after selling 7 boxes of his cookies. How much did he make per box?

9) At the hardware store you can buy 7 boxes of bolts for $26.95. This can be expressed by the equation Y=KX. How much would it cost for one box?

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?

Name: **Answer Key**

Solve each problem.

1) To determine how many pages would be need to make 4 books you can use the equation, 348=(87)4. How many pages would be in 5 books?

1. _____ **435**

2) A construction contractor used the equation Y=KX to determine it would cost him $7.86 to buy 3 boxes of nails. How much is each box?

2. _____ **$2.62**

3. _____ **$2.01**

3) An ice cream truck driver used the equation Y=KX to show how much money he made selling 4 ice cream bars. He determined he'd make $8.04. How much did he make per bar sold?

4. _____ **$39.06**

5. _____ **$4.56**

4) Using the equation 27.90=k5 you can calculate how much it would cost to buy 5 bags of apples. How much would it cost for 7 bags?

6. _____ **$27.16**

7. _____ **515**

5) The equation 13.68=(4.56)3 shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?

8. _____ **$12.74**

9. _____ **$3.85**

6) The equation 40.74=(13.58)3 shows how much it cost for a company to buy 3 new uniforms. How much would it cost to buy 2 new uniforms?

10. _____ **$21.75**

7) An industrial printing machine printed 206 pages in 2 minutes. How much would it have printed in 5 minutes?

8) A baker used the equation Y=KX to calculate that he had made $89.18 after selling 7 boxes of his cookies. How much did he make per box?

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Math