Examining Y=KX

Name:

Solve each problem.

1) To determine how many pages would be need to make 9 books you can use the equation, 585=(65)9. How many pages would be in 3 books?

2) A florist used the equation 52=(26)2 to determine how many flowers she'd need for 2 bouquets. How many flowers would she need for 8 bouquets?

3) A movie theater used Y=KX to calculate how much money they made selling 5 buckets of popcorn. They determined they made 33.25 dollars. How much was it for each bucket?

4) An ice cream truck driver determined he had made $17.88 after selling 6 ice cream bars (using the equation y=kx). How much would he have earned if he sold 4 bars?

5) At the hardware store you can buy 4 boxes of bolts for $4.24. This can be expressed by the equation 4.24=(1.06)4. How much would it cost for 8 boxes?

6) The equation 14.48=(3.62)4 shows how much money you would make for recycling 4 pounds of cans. How much do you make per pound recycled?

7) An industrial printing machine printed 1185 pages in 5 minutes. How much would it have printed in 6 minutes?

8) Debby used the equation Y=KX to determine she would need 228 beads to create 6 necklaces. How many beads did she use per necklace?

9) The equation 120.56=(15.07)8 shows how much it cost for a company to buy 8 new uniforms. How much would it cost to buy 6 new uniforms?

10) A grocery store paid $89.43 for 3 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

Answers

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

1-10	90	80	70	60	50	40	30	20	10	0

Examining Y=KX Name: **Answer Key**

Solve each problem.

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Answers

1. **195**
2. **208**
3. **$6.65**
4. **$11.92**
5. **$8.48**
6. **$3.62**
7. **1422**
8. **38**
9. **$90.42**
10. **$29.81**

1-10	90	80	70	60	50	40	30	20	10	0