Examining Y=KX

Name:

Solve each problem.

1) An industrial printing machine printed 1625 pages in 5 minutes. How much would it have printed in 4 minutes?

2) To determine how many pages would be needed to make 7 books you can use the equation, 231=(33)7. How many pages are in one book?

3) The equation Y=KX shows you would make $25.41 for recycling 7 pounds of cans. How much would you make if you recycled 3 pounds?

4) A construction contractor used the equation 20.93=(2.99)7 to calculate how much 7 boxes of nails would cost him. How much would 8 boxes of nails cost him?

5) The equation 51.48=(12.87)4 shows how much it cost for a company to buy 4 new uniforms. How much does it cost per uniform?

6) At the hardware store you can buy 7 boxes of bolts for $32.34. This can be expressed by the equation Y=KX. How much would it cost for one box?

7) An ice cream truck driver determined he had made $16.96 after selling 8 ice cream bars (using the equation y=kx). How much would he have earned if he sold 3 bars?

8) The equation 34.38=k9 shows that buying 9 bags of apples would cost 34.38 dollars. How much is it for one bag?

9) Robin used the equation 81=(27)3 to calculate many beads she would need to make 3 necklaces. How many beads would she need to make 8 necklaces?

10) A grocery store paid $271.81 for 7 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 3 crates?

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**

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Answers

1. **1300**
2. **33**
3. **$10.89**
4. **$23.92**
5. **$12.87**
6. **$4.62**
7. **$6.36**
8. **$3.82**
9. **216**
10. **$116.49**

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