Examining Y=KX

Name:

Solve each problem.

1) The equation 36.56=k8 shows that buying 8 bags of apples would cost 36.56 dollars. How much is it for one bag?

2) An industrial printing machine printed 530 pages in 5 minutes. How much would it have printed in 6 minutes?

3) The equation 97.09=(13.87)7 shows how much it cost for a company to buy 7 new uniforms. How much would it cost to buy 3 new uniforms?

4) At the hardware store you can buy 6 boxes of bolts for $20.16. This can be expressed by the equation Y=KX. How much would it cost for one box?

5) A construction contractor used the equation 19.98=(2.22)9 to calculate how much 9 boxes of nails would cost him. How much would 7 boxes of nails cost him?

6) Lana used the equation Y=KX to determine she would need 205 beads to create 5 necklaces. How many beads did she use per necklace?

7) A grocery store paid $251.28 for 6 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

8) 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 $7.96. How much did he make per bar sold?

9) A baker used the equation Y=KX to calculate that he had made $75.80 after selling 5 boxes of his cookies for $15.16 each. How much would he have made had he sold 6 boxes?

10) The equation 46.00=(5.75)8 shows how much money you would make for recycling 8 pounds of cans. How much do you make per pound recycled?

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. $4.57
2. 636
3. $41.61
4. $3.36
5. $15.54
6. 41
7. $41.88
8. $1.99
9. $90.96
10. $5.75

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