Examining Y=KX

Name:

Solve each problem.

1) The equation 103.12=(12.89)8 shows how much it cost for a company to buy 8 new uniforms. How much would it cost to buy 3 new uniforms?

2) A construction contractor used the equation Y=KX to determine it would cost him $19.46 to buy 7 boxes of nails. How much is each box?

3) Debby used the equation Y=KX to determine she would need 180 beads to create 4 necklaces. How many beads did she use per necklace?

4) A florist used the equation 100=(25)4 to determine how many flowers she'd need for 4 bouquets. How many flowers would she need for 8 bouquets?

5) The equation 13.80=(4.6)3 shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?

6) The equation 32.72=k8 shows that buying 8 bags of apples would cost 32.72 dollars. How much is it for one bag?

7) To determine how many pages would be need to make 7 books you can use the equation, 483=(69)7. How many pages would be in 6 books?

8) A baker used the equation Y=KX to calculate that he had made $59.55 after selling 5 boxes of his cookies. How much did he make per box?

9) At the hardware store you can buy 8 boxes of bolts for $9.76. This can be expressed by the equation 9.76=(1.22)8. How much would it cost for 7 boxes?

10) An ice cream truck driver determined he had made $4.74 after selling 3 ice cream bars (using the equation y=kx). How much would he have earned if he sold 2 bars?

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. $38.67
2. $2.78
3. 45
4. 200
5. $4.60
6. $4.09
7. 414
8. $11.91
9. $8.54
10. $3.16

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