Examining Y=KX

Name:

Solve each problem.

1) The equation 29.40=k7 shows that buying 7 bags of apples would cost 29.40 dollars. How much is it for one bag?

2) A baker used the equation Y=KX to calculate that he had made $63.36 after selling 4 boxes of his cookies. How much did he make per box?

3) A florist used the equation 51=(17)3 to determine how many flowers she'd need for 3 bouquets. How many flowers would she need for 7 bouquets?

4) 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 6 buckets?

5) Gwen used the equation Y=KX to determine she would need 66 beads to create 2 necklaces. How many beads did she use per necklace?

6) An ice cream truck driver determined he had made $5.79 after selling 3 ice cream bars (using the equation y=kx). How much would he have earned if he sold 4 bars?

7) A grocery store paid $110.16 for 4 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 8 crates?

8) A construction contractor used the equation Y=KX to determine it would cost him $5.44 to buy 2 boxes of nails. How much is each box?

9) To determine how many pages would be need to make 3 books you can use the equation, 108=(36)3. How many pages would be in 4 books?

10) The equation 61.68=(10.28)6 shows how much it cost for a company to buy 6 new uniforms. How much does it cost per uniform?

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. $4.20
2. $15.84
3. 119
4. $28.86
5. 33
6. $7.72
7. $220.32
8. $2.72
9. 144
10. $10.28

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