Examining Y=KX Name:

Solve each problem.

1) A florist used the equation 69=(23)3 to determine how many flowers she'd need for 3 bouquets. How many flowers would she need for 4 bouquets?

2) An industrial printing machine printed 1985 pages in 5 minutes. How many pages did it print in one minute?

3) A baker used the equation Y=KX to calculate that he had made $31.62 after selling 3 boxes of his cookies for $10.54 each. How much would he have made had he sold 8 boxes?

4) An ice cream truck driver determined he had made $8.68 after selling 7 ice cream bars (using the equation y=kx). How much would he have earned if he sold 4 bars?

5) To determine how many pages would be needed to make 9 books you can use the equation, 783=(87)9. How many pages are in one book?

6) The equation 24.65=k5 shows that buying 5 bags of apples would cost 24.65 dollars. How much is it for one bag?

7) At the hardware store you can buy 3 boxes of bolts for $6.72. This can be expressed by the equation Y=KX. How much would it cost for one box?

8) A construction contractor used the equation 7.70=(1.54)5 to calculate how much 5 boxes of nails would cost him. How much would 3 boxes of nails cost him?

9) The equation 41.68=(5.21)8 shows how much money you would make for recycling 8 pounds of cans. How much do you make per pound recycled?

10) The equation 54.64=(13.66)4 shows how much it cost for a company to buy 4 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. **92**
2. **397**
3. **$84.32**
4. **$4.96**
5. **87**
6. **$4.93**
7. **$2.24**
8. **$4.62**
9. **$5.21**
10. **$13.66**

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