Examining Y=KX

Name:

Solve each problem.

1) A florist used the equation Y=KX to determine how many flowers she'd need for 7 bouquets. She determined she'd need 175 flowers. How many flowers were in each bouquet?

2) A construction contractor used the equation 11.52=(1.44)8 to calculate how much 8 boxes of nails would cost him. How much would 2 boxes of nails cost him?

3) The equation 41.44=k7 shows that buying 7 bags of apples would cost 41.44 dollars. How much is it for one bag?

4) A grocery store paid $314.65 for 7 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 3 crates?

5) The equation 31.92=(4.56)7 shows how much money you would make for recycling 7 pounds of cans. How much do you make per pound recycled?

6) An industrial printing machine printed 1764 pages in 6 minutes. How much would it have printed in 4 minutes?

7) To determine how many pages would be need to make 3 books you can use the equation, 138=(46)3. How many pages would be in 8 books?

8) An ice cream truck driver determined he had made $11.06 after selling 7 ice cream bars (using the equation y=kx). How much would he have earned if he sold 5 bars?

9) A movie theater used Y=KX to calculate how much money they made selling 9 buckets of popcorn. They determined they made 45.99 dollars. How much was it for each bucket?

10) The equation 71.40=(11.9)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. _____

Solve each problem.

1) A florist used the equation Y=KX to determine how many flowers she'd need for 7 bouquets. She determined she'd need 175 flowers. How many flowers were in each bouquet?

1. **25**

2) A construction contractor used the equation 11.52=(1.44)8 to calculate how much 8 boxes of nails would cost him. How much would 2 boxes of nails cost him?

2. **$2.88**

3. **$5.92**

3) The equation 41.44=k7 shows that buying 7 bags of apples would cost 41.44 dollars. How much is it for one bag?

4. **$134.85**

5. **$4.56**

4) A grocery store paid $314.65 for 7 crates of milk. This can be expressed by the equation Y=KX. How much would they have paid for 3 crates?

6. **1176**

7. **368**

5) The equation 31.92=(4.56)7 shows how much money you would make for recycling 7 pounds of cans. How much do you make per pound recycled?

8. **$7.90**

9. **$5.11**

6) An industrial printing machine printed 1764 pages in 6 minutes. How much would it have printed in 4 minutes?

10. **$11.90**

7) To determine how many pages would be need to make 3 books you can use the equation, 138=(46)3. How many pages would be in 8 books?

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9) A movie theater used Y=KX to calculate how much money they made selling 9 buckets of popcorn. They determined they made 45.99 dollars. How much was it for each bucket?

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