Examining Y=KX

Name:

Solve each problem.

1) To determine how many pages would be need to make 2 books you can use the equation, 172=(86)2. How many pages would be in 3 books?

2) An industrial printing machine printed 584 pages in 4 minutes. How many pages did it print in one minute?

3) A grocery store paid $182.84 for 7 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

4) A florist used the equation 34=(17)2 to determine how many flowers she'd need for 2 bouquets. How many flowers would she need for 4 bouquets?

5) The equation 10.10=k2 shows that buying 2 bags of apples would cost 10.10 dollars. How much is it for one bag?

6) A movie theater used Y=KX to calculate how much money they made selling 4 buckets of popcorn. They determined they made 22.08 dollars. How much was it for each bucket?

7) A baker used the equation Y=KX to calculate that he had made $94.92 after selling 7 boxes of his cookies for $13.56 each. How much would he have made had he sold 4 boxes?

8) A construction contractor used the equation 9.54=(1.06)9 to calculate how much 9 boxes of nails would cost him. How much would 2 boxes of nails cost him?

9) Robin used the equation Y=KX to determine she would need 315 beads to create 7 necklaces. How many beads did she use per necklace?

10) At the hardware store you can buy 2 boxes of bolts for $5.32. This can be expressed by the equation 5.32=(2.66)2. How much would it cost for 5 boxes?

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. **258**
2. **146**
3. **$26.12**
4. **68**
5. **$5.05**
6. **$5.52**
7. **$54.24**
8. **$2.12**
9. **45**
10. **$13.30**

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