Solve each problem.

1) A baker used the equation Y=KX to calculate that he had made $71.75 after selling 5 boxes of his cookies. How much did he make per box?

2) An industrial printing machine printed 1841 pages in 7 minutes. How many pages did it print in one minute?

3) 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?

4) A grocery store paid $91.72 for 4 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

5) To determine how many pages would be need to make 9 books you can use the equation, 882=(98)9. How many pages would be in 7 books?

6) A construction contractor used the equation Y=KX to determine it would cost him $15.36 to buy 6 boxes of nails. How much is each box?

7) The equation 87.76=(10.97)8 shows how much it cost for a company to buy 8 new uniforms. How much does it cost per uniform?

8) At the hardware store you can buy 8 boxes of bolts for $18.24. This can be expressed by the equation 18.24=(2.28)8. How much would it cost for 4 boxes?

9) The equation 15.12=(5.04)3 shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?

10) Faye used the equation 147=(49)3 to calculate many beads she would need to make 3 necklaces. How many beads would she need to make 8 necklaces?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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

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Answers

1. **$14.35**
2. **263**
3. **$23.34**
4. **$22.93**
5. **686**
6. **$2.56**
7. **$10.97**
8. **$9.12**
9. **$5.04**
10. **392**

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