Solve each problem.

1) At the hardware store you can buy 3 boxes of bolts for $9.93. This can be expressed by the equation 9.93 = (3.31)3. How much would it cost for 6 boxes?

2) The equation Y = KX shows you would make $41.09 for recycling 7 pounds of cans. How much would you make if you recycled 4 pounds?

3) A construction contractor used the equation Y = KX to determine it would cost him $4.90 to buy 2 boxes of nails. How much is each box?

4) A florist used the equation 48 = (16)3 to determine how many flowers she'd need for 3 bouquets. How many flowers would she need for 2 bouquets?

5) The equation 114.16 = (14.27)8 shows how much it cost for a company to buy 8 new uniforms. How much does it cost per uniform?

6) To determine how many pages would be need to make 5 books you can use the equation, 185 = (37)5. How many pages would be in 3 books?

7) An industrial printing machine printed 724 pages in 4 minutes. How many pages did it print in one minute?

8) Megan used the equation Y = KX to determine she would need 86 beads to create 2 necklaces. How many beads did she use per necklace?

9) The equation 23.20 = k4 shows that buying 4 bags of apples would cost 23.20 dollars. How much is it for one bag?

10) An ice cream truck driver determined he had made $13.98 after selling 6 ice cream bars (using the equation y = kx). How much would he have earned if he sold 3 bars?
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