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?
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 \( 41.44 = k^7 \) shows that buying 7 bags of apples would cost 41.44 dollars. How much is it for one bag?

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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?
Solve each problem.

1) A baker used the equation Y=KX to calculate that he had made $74.94 after selling 6 boxes of his cookies. How much did he make per box?

2) An industrial printing machine printed 1585 pages in 5 minutes. How much would it have printed in 8 minutes?

3) A construction contractor used the equation Y=KX to determine it would cost him $12.81 to buy 7 boxes of nails. How much is each box?

4) At the hardware store you can buy 4 boxes of bolts for $19.84. This can be expressed by the equation Y=KX. How much would it cost for one box?

5) Zoe used the equation Y=KX to determine she would need 140 beads to create 4 necklaces. How many beads did she use per necklace?

6) An ice cream truck driver used the equation Y=KX to show how much money he made selling 7 ice cream bars. He determined he'd make $19.46. How much did he make per bar sold?

7) To determine how many pages would be need to make 2 books you can use the equation, 142=(71)2. How many pages would be in 6 books?

8) A movie theater used Y=4.05X 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 9 buckets?

9) Using the equation 9.21=k3 you can calculate how much it would cost to buy 3 bags of apples. How much would it cost for 5 bags?

10) A grocery store paid $224.24 for 8 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

Answers

1. ____________
2. ____________
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### Solve each problem.

1) An industrial printing machine printed 714 pages in 3 minutes. How many pages did it print in one minute?

2) A florist used the equation $84 = (12)7$ to determine how many flowers she'd need for 7 bouquets. How many flowers would she need for 5 bouquets?

3) A movie theater used $Y = kX$ to calculate how much money they made selling 5 buckets of popcorn. They determined they made $32.55$ dollars. How much was it for each bucket?

4) A construction contractor used the equation $20.08 = (2.51)8$ to calculate how much 8 boxes of nails would cost him. How much would 8 boxes of nails cost him?

5) An ice cream truck driver determined he had made $10.44 after selling 4 ice cream bars (using the equation $y = kx$). How much would he have earned if he sold 2 bars?

6) At the hardware store you can buy 3 boxes of bolts for $7.80. This can be expressed by the equation $7.80 = (2.6)3$. How much would it cost for 5 boxes?

7) Gwen used the equation $Y = kX$ to determine she would need 140 beads to create 5 necklaces. How many beads did she use per necklace?

8) A baker used the equation $Y = kX$ to calculate that he had made $40.92 after selling 3 boxes of his cookies. How much did he make per box?

9) A grocery store paid $318.15 for 9 crates of milk. This can be expressed by the equation $Y = kX$. How much would they have paid for 5 crates?

10) The equation $82.56 = (13.76)6$ shows how much it cost for a company to buy 6 new uniforms. How much does it cost per uniform?

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Answers

1. 238
2. 60
3. $6.51
4. $20.08
5. $5.22
6. $13.00
7. 28
8. $13.64
9. $176.75
10. $13.76
Solve each problem.

1) An industrial printing machine printed 656 pages in 2 minutes. How much would it have printed in 6 minutes?

2) The equation 98.73 = (10.97)9 shows how much it cost for a company to buy 9 new uniforms. How much does it cost per uniform?

3) An ice cream truck driver determined he had made $9.36 after selling 8 ice cream bars (using the equation y = kx). How much would he have earned if he sold 9 bars?

4) Using the equation 29.52 = k9 you can calculate how much it would cost to buy 9 bags of apples. How much would it cost for 5 bags?

5) At the hardware store you can buy 6 boxes of bolts for $11.40. This can be expressed by the equation Y = kX. How much would it cost for one box?

6) A florist used the equation Y = kX to determine how many flowers she'd need for 9 bouquets. She determined she'd need 126 flowers. How many flowers were in each bouquet?

7) A grocery store paid $85.00 for 4 crates of milk. This can be expressed by the equation Y = kX. How much was it for one crate?

8) A construction contractor used the equation 16.38 = (2.34)7 to calculate how much 7 boxes of nails would cost him. How much would 4 boxes of nails cost him?

9) A baker used the equation Y = kX to calculate that he had made $95.46 after selling 6 boxes of his cookies. How much did he make per box?

10) The equation Y = kX shows you would make $21.35 for recycling 5 pounds of cans. How much would you make if you recycled 7 pounds?

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10) The equation Y=KX shows you would make $21.35 for recycling 5 pounds of cans. How much would you make if you recycled 7 pounds?
Solve each problem.

1) A grocery store paid $273.35 for 7 crates of milk. This can be expressed by the equation $Y=KX$. How much would they have paid for 7 crates?

2) A baker used the equation $Y=KX$ to calculate that he had made $72.31 after selling 7 boxes of his cookies. How much did he make per box?

3) A movie theater used $Y=3.96X$ 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 8 buckets?

4) A construction contractor used the equation $9.55=(1.91)5$ to calculate how much 5 boxes of nails would cost him. How much would 9 boxes of nails cost him?

5) The equation $27.76=(13.88)2$ shows how much it cost for a company to buy 2 new uniforms. How much does it cost per uniform?

6) To determine how many pages would be need to make 9 books you can use the equation, $891=(99)9$. How many pages would be in 9 books?

7) The equation $Y=KX$ shows you would make $23.52 for recycling 4 pounds of cans. How much would you make if you recycled 7 pounds?

8) A florist used the equation $Y=KX$ to determine how many flowers she'd need for 7 bouquets. She determined she'd need 161 flowers. How many flowers were in each bouquet?

9) At the hardware store you can buy 4 boxes of bolts for $8.16. This can be expressed by the equation $8.16=(2.04)4$. How much would it cost for 8 boxes?

10) The equation $36.72=k9$ shows that buying 9 bags of apples would cost 36.72 dollars. How much is it for one bag?
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10) The equation $36.72=k9$ shows that buying 9 bags of apples would cost $36.72 dollars. How much is it for one bag?
Solve each problem.

1) The equation 73.14 = (12.19)6 shows how much it cost for a company to buy 6 new uniforms. How much would it cost to buy 8 new uniforms?

2) A baker used the equation Y = KX to calculate that he had made $61.48 after selling 4 boxes of his cookies. How much did he make per box?

3) The equation 15.88 = k4 shows that buying 4 bags of apples would cost 15.88 dollars. How much is it for one bag?

4) A grocery store paid $375.84 for 8 crates of milk. This can be expressed by the equation Y = KX. How much would they have paid for 4 crates?

5) A florist used the equation Y = KX to determine how many flowers she’d need for 6 bouquets. She determined she’d need 132 flowers. How many flowers were in each bouquet?

6) At the hardware store you can buy 9 boxes of bolts for $18.81. This can be expressed by the equation 18.81 = (2.09)9. How much would it cost for 2 boxes?

7) To determine how many pages would be needed to make 5 books you can use the equation, 205 = (41)5. How many pages are in one book?

8) An industrial printing machine printed 2793 pages in 7 minutes. How much would it have printed in 8 minutes?

9) The equation Y = KX shows you would make $25.04 for recycling 8 pounds of cans. How much would you make if you recycled 4 pounds?

10) Wendy used the equation Y = KX to determine she would need 180 beads to create 6 necklaces. How many beads did she use per necklace?
1) The equation 73.14 = (12.19)^6 shows how much it cost for a company to buy 6 new uniforms. How much would it cost to buy 8 new uniforms?

2) A baker used the equation Y = KX to calculate that he had made $61.48 after selling 4 boxes of his cookies. How much did he make per box?

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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?
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?

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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?
Solve each problem.

1) At the hardware store you can buy 2 boxes of bolts for $8.90. This can be expressed by the equation $Y=KX$. How much would it cost for one box?

2) The equation $Y=KX$ shows you would make $45.04 for recycling 8 pounds of cans. How much would you make if you recycled 6 pounds?

3) An industrial printing machine printed 2349 pages in 9 minutes. How much would it have printed in 8 minutes?

4) A movie theater used $Y=KX$ to calculate how much money they made selling 7 buckets of popcorn. They determined they made 31.92 dollars. How much was it for each bucket?

5) A grocery store paid $147.98 for 7 crates of milk. This can be expressed by the equation $Y=KX$. How much was it for one crate?

6) A baker used the equation $Y=KX$ to calculate that he had made $102.41 after selling 7 boxes of his cookies. How much did he make per box?

7) A florist used the equation $72=(12)6$ to determine how many flowers she’d need for 6 bouquets. How many flowers would she need for 7 bouquets?

8) To determine how many pages would be need to make 9 books you can use the equation, $774=(86)9$. How many pages would be in 6 books?

9) Robin used the equation $Y=KX$ to determine she would need 208 beads to create 8 necklaces. How many beads did she use per necklace?

10) A construction contractor used the equation $9.16=(2.29)4$ to calculate how much 4 boxes of nails would cost him. How much would 4 boxes of nails cost him?
Solve each problem.

1) At the hardware store you can buy 2 boxes of bolts for $8.90. This can be expressed by the equation Y=KX. How much would it cost for one box?

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Solve each problem.

1) To determine how many pages would be needed to make 9 books you can use the equation, 801=(89)9. How many pages are in one book?

2) A movie theater used Y=4.21X 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 7 buckets?

3) An ice cream truck driver determined he had made $16.17 after selling 7 ice cream bars (using the equation y=kx). How much would he have earned if he sold 4 bars?

4) Bianca used the equation Y=KX to determine she would need 100 beads to create 4 necklaces. How many beads did she use per necklace?

5) A grocery store paid $265.41 for 9 crates of milk. This can be expressed by the equation Y=KX. How much was it for one crate?

6) A construction contractor used the equation 13.10=(2.62)5 to calculate how much 5 boxes of nails would cost him. How much would 7 boxes of nails cost him?

7) The equation 42.40=k8 shows that buying 8 bags of apples would cost 42.40 dollars. How much is it for one bag?

8) At the hardware store you can buy 6 boxes of bolts for $19.86. This can be expressed by the equation Y=KX. How much would it cost for one box?

9) The equation 50.08=(12.52)4 shows how much it cost for a company to buy 4 new uniforms. How much would it cost to buy 5 new uniforms?

10) The equation 10.17=(3.39)3 shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?
Solve each problem.

1) To determine how many pages would be needed to make 9 books you can use the equation, 801=(89)9. How many pages are in one book?

2) A movie theater used Y=4.21X 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 7 buckets?

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7) The equation 42.40=k8 shows that buying 8 bags of apples would cost 42.40 dollars. How much is it for one bag?

8) At the hardware store you can buy 6 boxes of bolts for $19.86. This can be expressed by the equation Y=KX. How much would it cost for one box?

9) The equation 50.08=(12.52)4 shows how much it cost for a company to buy 4 new uniforms. How much would it cost to buy 5 new uniforms?

10) The equation 10.17=(3.39)3 shows how much money you would make for recycling 3 pounds of cans. How much do you make per pound recycled?
Solve each problem.

1) A construction contractor used the equation 22.72 = (2.84)\(x\) to calculate how much 8 boxes of nails would cost him. How much would 8 boxes of nails cost him?

2) A movie theater used \(Y = kX\) to calculate how much money they made selling 7 buckets of popcorn. They determined they made 23.80 dollars. How much was it for each bucket?

3) The equation 15.50 = \(k5\) shows that buying 5 bags of apples would cost 15.50 dollars. How much is it for one bag?

4) A grocery store paid $325.99 for 7 crates of milk. This can be expressed by the equation \(Y = kX\). How much would they have paid for 8 crates?

5) The equation 49.32 = (5.48)\(x\) shows how much money you would make for recycling 9 pounds of cans. How much do you make per pound recycled?

6) An ice cream truck driver determined he had made $5.10 after selling 3 ice cream bars (using the equation \(y = kx\)). How much would he have earned if he sold 3 bars?

7) The equation 58.04 = (14.51)\(x\) shows how much it cost for a company to buy 4 new uniforms. How much would it cost to buy 4 new uniforms?

8) Megan used the equation 195 = (39)\(x\) to calculate many beads she would need to make 5 necklaces. How many beads would she need to make 2 necklaces?

9) A florist used the equation \(Y = kX\) to determine how many flowers she'd need for 6 bouquets. She determined she'd need 66 flowers. How many flowers were in each bouquet?

10) An industrial printing machine printed 1379 pages in 7 minutes. How much would it have printed in 3 minutes?
Solve each problem.

1) A construction contractor used the equation \(22.72=(2.84)8\) to calculate how much 8 boxes of nails would cost him. How much would 8 boxes of nails cost him?

2) A movie theater used \(Y=KX\) to calculate how much money they made selling 7 buckets of popcorn. They determined they made $23.80 dollars. How much was it for each bucket?

3) The equation \(15.50=k5\) shows that buying 5 bags of apples would cost $15.50 dollars. How much is it for one bag?

4) A grocery store paid $325.99 for 7 crates of milk. This can be expressed by the equation \(Y=KX\). How much would they have paid for 8 crates?

5) The equation \(49.32=(5.48)9\) shows how much money you would make for recycling 9 pounds of cans. How much do you make per pound recycled?

6) An ice cream truck driver determined he had made $5.10 after selling 3 ice cream bars (using the equation \(y=kx\)). How much would he have earned if he sold 3 bars?

7) The equation \(58.04=(14.51)4\) shows how much it cost for a company to buy 4 new uniforms. How much would it cost to buy 4 new uniforms?

8) Megan used the equation \(195=(39)5\) to calculate many beads she would need to make 5 necklaces. How many beads would she need to make 2 necklaces?

9) A florist used the equation \(Y=KX\) to determine how many flowers she’d need for 6 bouquets. She determined she'd need 66 flowers. How many flowers were in each bouquet?

10) An industrial printing machine printed 1379 pages in 7 minutes. How much would it have printed in 3 minutes?