

**Solve each problem.****Answers**

- 1) A construction contractor used the equation  $Y=KX$  to determine it would cost him \$5.91 to buy 3 boxes of nails. How much is each box?
- 2) The equation  $34.79=k7$  shows that buying 7 bags of apples would cost 34.79 dollars. How much is it for one bag?
- 3) An industrial printing machine printed 570 pages in 3 minutes. How much would it have printed in 6 minutes?
- 4) An ice cream truck driver determined he had made \$3.96 after selling 2 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 5 bars?
- 5) 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 9 buckets?
- 6) A grocery store paid \$133.92 for 4 crates of milk. This can be expressed by the equation  $Y=KX$ . How much would they have paid for 7 crates?
- 7) To determine how many pages would be needed to make 4 books you can use the equation,  $244=(61)4$ . How many pages are in one book?
- 8) At the hardware store you can buy 4 boxes of bolts for \$16.52. This can be expressed by the equation  $16.52=(4.13)4$ . How much would it cost for 8 boxes?
- 9) A florist used the equation  $Y=KX$  to determine how many flowers she'd need for 5 bouquets. She determined she'd need 105 flowers. How many flowers were in each bouquet?
- 10) A baker used the equation  $Y=KX$  to calculate that he had made \$66.70 after selling 5 boxes of his cookies for \$13.34 each. How much would he have made had he sold 8 boxes?

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**Answers**

1. \$1.97
2. \$4.97
3. 1140
4. \$9.90
5. \$71.64
6. \$234.36
7. 61
8. \$33.04
9. 21
10. \$106.72



Solve each problem.

Answers

- 1) The equation  $17.25=k5$  shows that buying 5 bags of apples would cost 17.25 dollars. How much is it for one bag?
- 2) A construction contractor used the equation  $Y=KX$  to determine it would cost him \$14.76 to buy 6 boxes of nails. How much is each box?
- 3) A baker used the equation  $Y=KX$  to calculate that he had made \$25.38 after selling 2 boxes of his cookies for \$12.69 each. How much would he have made had he sold 3 boxes?
- 4) An ice cream truck driver used the equation  $Y=KX$  to show how much money he made selling 3 ice cream bars. He determined he'd make \$4.56. How much did he make per bar sold?
- 5) The equation  $Y=KX$  shows you would make \$7.18 for recycling 2 pounds of cans. How much would you make if you recycled 7 pounds?
- 6) Vanessa used the equation  $Y=KX$  to determine she would need 136 beads to create 4 necklaces. How many beads did she use per necklace?
- 7) To determine how many pages would be need to make 9 books you can use the equation,  $459=(51)9$ . How many pages would be in 8 books?
- 8) The equation  $99.63=(11.07)9$  shows how much it cost for a company to buy 9 new uniforms. How much does it cost per uniform?
- 9) An industrial printing machine printed 824 pages in 8 minutes. How many pages did it print in one minute?
- 10) A florist used the equation  $128=(16)8$  to determine how many flowers she'd need for 8 bouquets. How many flowers would she need for 9 bouquets?

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**Answers**

1. \$3.45
2. \$2.46
3. \$38.07
4. \$1.52
5. \$25.13
6. 34
7. 408
8. \$11.07
9. 103
10. 144

**Solve each problem.****Answers**

- 1) The equation  $26.26=(13.13)2$  shows how much it cost for a company to buy 2 new uniforms. How much does it cost per uniform?
- 2) To determine how many pages would be needed to make 6 books you can use the equation,  $432=(72)6$ . How many pages are in one book?
- 3) At the hardware store you can buy 3 boxes of bolts for \$5.64. This can be expressed by the equation  $Y=KX$ . How much would it cost for one box?
- 4) A grocery store paid \$176.10 for 5 crates of milk. This can be expressed by the equation  $Y=KX$ . How much was it for one crate?
- 5) A movie theater used  $Y=KX$  to calculate how much money they made selling 2 buckets of popcorn. They determined they made 15.82 dollars. How much was it for each bucket?
- 6) A baker used the equation  $Y=KX$  to calculate that he had made \$28.68 after selling 2 boxes of his cookies for \$14.34 each. How much would he have made had he sold 6 boxes?
- 7) An industrial printing machine printed 1540 pages in 4 minutes. How much would it have printed in 9 minutes?
- 8) The equation  $Y=KX$  shows you would make \$26.88 for recycling 6 pounds of cans. How much would you make if you recycled 9 pounds?
- 9) A florist used the equation  $Y=KX$  to determine how many flowers she'd need for 7 bouquets. She determined she'd need 147 flowers. How many flowers were in each bouquet?
- 10) A construction contractor used the equation  $13.02=(2.17)6$  to calculate how much 6 boxes of nails would cost him. How much would 9 boxes of nails cost him?

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Answers

1. \$13.13
2. 72
3. \$1.88
4. \$35.22
5. \$7.91
6. \$86.04
7. 3465
8. \$40.32
9. 21
10. \$19.53



Solve each problem.

Answers

- 1) The equation  $36.42=(12.14)3$  shows how much it cost for a company to buy 3 new uniforms. How much does it cost per uniform?
- 2) Lana used the equation  $343=(49)7$  to calculate many beads she would need to make 7 necklaces. How many beads would she need to make 8 necklaces?
- 3) An ice cream truck driver determined he had made \$12.78 after selling 6 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 4 bars?
- 4) The equation  $23.16=(5.79)4$  shows how much money you would make for recycling 4 pounds of cans. How much do you make per pound recycled?
- 5) A grocery store paid \$249.00 for 6 crates of milk. This can be expressed by the equation  $Y=KX$ . How much would they have paid for 8 crates?
- 6) At the hardware store you can buy 4 boxes of bolts for \$7.96. This can be expressed by the equation  $Y=KX$ . How much would it cost for one box?
- 7) A florist used the equation  $Y=KX$  to determine how many flowers she'd need for 3 bouquets. She determined she'd need 72 flowers. How many flowers were in each bouquet?
- 8) An industrial printing machine printed 1392 pages in 4 minutes. How much would it have printed in 9 minutes?
- 9) To determine how many pages would be need to make 3 books you can use the equation,  $291=(97)3$ . How many pages would be in 4 books?
- 10) The equation  $41.79=k7$  shows that buying 7 bags of apples would cost 41.79 dollars. How much is it for one bag?

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**Answers**

1. \$12.14
2. 392
3. \$8.52
4. \$5.79
5. \$332.00
6. \$1.99
7. 24
8. 3132
9. 388
10. \$5.97



**Solve each problem.****Answers**

- 1) At the hardware store you can buy 5 boxes of bolts for \$18.90. This can be expressed by the equation  $Y=KX$ . How much would it cost for one box?
- 2) A baker used the equation  $Y=KX$  to calculate that he had made \$45.81 after selling 3 boxes of his cookies for \$15.27 each. How much would he have made had he sold 7 boxes?
- 3) The equation  $Y=KX$  shows you would make \$22.75 for recycling 7 pounds of cans. How much would you make if you recycled 5 pounds?
- 4) A florist used the equation  $Y=KX$  to determine how many flowers she'd need for 4 bouquets. She determined she'd need 60 flowers. How many flowers were in each bouquet?
- 5) To determine how many pages would be needed to make 6 books you can use the equation,  $156=(26)6$ . How many pages are in one book?
- 6) A grocery store paid \$155.00 for 4 crates of milk. This can be expressed by the equation  $Y=KX$ . How much was it for one crate?
- 7) The equation  $92.80=(11.6)8$  shows how much it cost for a company to buy 8 new uniforms. How much would it cost to buy 7 new uniforms?
- 8) A movie theater used  $Y=\{VAR KX\}$  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) An ice cream truck driver used the equation  $Y=KX$  to show how much money he made selling 9 ice cream bars. He determined he'd make \$10.62. How much did he make per bar sold?
- 10) Carol used the equation  $90=(30)3$  to calculate many beads she would need to make 3 necklaces. How many beads would she need to make 5 necklaces?

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- 10) Carol used the equation  $90=(30)3$  to calculate many beads she would need to make 3 necklaces. How many beads would she need to make 5 necklaces?

Answers

1. \$3.78
2. \$106.89
3. \$16.25
4. 15
5. 26
6. \$38.75
7. \$81.20
8. \$36.90
9. \$1.18
10. 150



Solve each problem.

Answers

- 1) An ice cream truck driver determined he had made \$2.10 after selling 2 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 3 bars?
- 2) A florist used the equation  $Y=KX$  to determine how many flowers she'd need for 6 bouquets. She determined she'd need 84 flowers. How many flowers were in each bouquet?
- 3) A baker used the equation  $Y=KX$  to calculate that he had made \$94.88 after selling 8 boxes of his cookies for \$11.86 each. How much would he have made had he sold 4 boxes?
- 4) To determine how many pages would be need to make 9 books you can use the equation,  $846=(94)9$ . How many pages would be in 8 books?
- 5) An industrial printing machine printed 882 pages in 3 minutes. How much would it have printed in 4 minutes?
- 6) A construction contractor used the equation  $Y=KX$  to determine it would cost him \$13.05 to buy 9 boxes of nails. How much is each box?
- 7) A grocery store paid \$82.68 for 3 crates of milk. This can be expressed by the equation  $Y=KX$ . How much would they have paid for 4 crates?
- 8) The equation  $25.10=k5$  shows that buying 5 bags of apples would cost 25.10 dollars. How much is it for one bag?
- 9) The equation  $113.94=(12.66)9$  shows how much it cost for a company to buy 9 new uniforms. How much does it cost per uniform?
- 10) A movie theater used  $Y=\{VAR KX\}$  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 5 buckets?

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- 10) A movie theater used  $Y=\{VAR KX\}$  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 5 buckets?

**Answers**

1. \$3.15
2. 14
3. \$47.44
4. 752
5. 1176
6. \$1.45
7. \$110.24
8. \$5.02
9. \$12.66
10. \$22.65



Solve each problem.

**Answers**

- 1) A florist used the equation  $102=(17)6$  to determine how many flowers she'd need for 6 bouquets. How many flowers would she need for 5 bouquets?
- 2) To determine how many pages would be need to make 2 books you can use the equation,  $184=(92)2$ . How many pages would be in 3 books?
- 3) At the hardware store you can buy 7 boxes of bolts for \$11.48. This can be expressed by the equation  $11.48=(1.64)7$ . How much would it cost for 8 boxes?
- 4) Emily used the equation  $Y=KX$  to determine she would need 156 beads to create 4 necklaces. How many beads did she use per necklace?
- 5) An industrial printing machine printed 1788 pages in 6 minutes. How many pages did it print in one minute?
- 6) A movie theater used  $Y=KX$  to calculate how much money they made selling 7 buckets of popcorn. They determined they made 22.33 dollars. How much was it for each bucket?
- 7) A baker used the equation  $Y=KX$  to calculate that he had made \$69.24 after selling 6 boxes of his cookies for \$11.54 each. How much would he have made had he sold 2 boxes?
- 8) A construction contractor used the equation  $4.46=(2.23)2$  to calculate how much 2 boxes of nails would cost him. How much would 6 boxes of nails cost him?
- 9) A grocery store paid \$338.59 for 7 crates of milk. This can be expressed by the equation  $Y=KX$ . How much would they have paid for 6 crates?
- 10) An ice cream truck driver used the equation  $Y=KX$  to show how much money he made selling 3 ice cream bars. He determined he'd make \$6.72. How much did he make per bar sold?

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**Answers**

1. 85
2. 276
3. \$13.12
4. 39
5. 298
6. \$3.19
7. \$23.08
8. \$13.38
9. \$290.22
10. \$2.24

**Solve each problem.****Answers**

- 1) A florist used the equation  $69=(23)3$  to determine how many flowers she'd need for 3 bouquets. How many flowers would she need for 4 bouquets?
- 2) An industrial printing machine printed 1985 pages in 5 minutes. How many pages did it print in one minute?
- 3) A baker used the equation  $Y=KX$  to calculate that he had made \$31.62 after selling 3 boxes of his cookies for \$10.54 each. How much would he have made had he sold 8 boxes?
- 4) An ice cream truck driver determined he had made \$8.68 after selling 7 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 4 bars?
- 5) To determine how many pages would be needed to make 9 books you can use the equation,  $783=(87)9$ . How many pages are in one book?
- 6) The equation  $24.65=k5$  shows that buying 5 bags of apples would cost 24.65 dollars. How much is it for one bag?
- 7) At the hardware store you can buy 3 boxes of bolts for \$6.72. This can be expressed by the equation  $Y=KX$ . How much would it cost for one box?
- 8) A construction contractor used the equation  $7.70=(1.54)5$  to calculate how much 5 boxes of nails would cost him. How much would 3 boxes of nails cost him?
- 9) The equation  $41.68=(5.21)8$  shows how much money you would make for recycling 8 pounds of cans. How much do you make per pound recycled?
- 10) The equation  $54.64=(13.66)4$  shows how much it cost for a company to buy 4 new uniforms. How much does it cost per uniform?

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10. \_\_\_\_\_



Solve each problem.

- 1) A florist used the equation  $69=(23)3$  to determine how many flowers she'd need for 3 bouquets. How many flowers would she need for 4 bouquets?
- 2) An industrial printing machine printed 1985 pages in 5 minutes. How many pages did it print in one minute?
- 3) A baker used the equation  $Y=KX$  to calculate that he had made \$31.62 after selling 3 boxes of his cookies for \$10.54 each. How much would he have made had he sold 8 boxes?
- 4) An ice cream truck driver determined he had made \$8.68 after selling 7 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 4 bars?
- 5) To determine how many pages would be needed to make 9 books you can use the equation,  $783=(87)9$ . How many pages are in one book?
- 6) The equation  $24.65=k5$  shows that buying 5 bags of apples would cost 24.65 dollars. How much is it for one bag?
- 7) At the hardware store you can buy 3 boxes of bolts for \$6.72. This can be expressed by the equation  $Y=KX$ . How much would it cost for one box?
- 8) A construction contractor used the equation  $7.70=(1.54)5$  to calculate how much 5 boxes of nails would cost him. How much would 3 boxes of nails cost him?
- 9) The equation  $41.68=(5.21)8$  shows how much money you would make for recycling 8 pounds of cans. How much do you make per pound recycled?
- 10) The equation  $54.64=(13.66)4$  shows how much it cost for a company to buy 4 new uniforms. How much does it cost per uniform?

**Answers**

1. 92
2. 397
3. \$84.32
4. \$4.96
5. 87
6. \$4.93
7. \$2.24
8. \$4.62
9. \$5.21
10. \$13.66



**Solve each problem.****Answers**

- 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  $Y=KX$  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?

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



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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

**Solve each problem.****Answers**

- 1) Faye used the equation  $148=(37)4$  to calculate many beads she would need to make 4 necklaces. How many beads would she need to make 6 necklaces?
- 2) Using the equation  $48.51=k9$  you can calculate how much it would cost to buy 9 bags of apples. How much would it cost for 5 bags?
- 3) An industrial printing machine printed 2520 pages in 9 minutes. How many pages did it print in one minute?
- 4) A baker used the equation  $Y=KX$  to calculate that he had made \$80.22 after selling 7 boxes of his cookies for \$11.46 each. How much would he have made had he sold 8 boxes?
- 5) A construction contractor used the equation  $19.74=(2.82)7$  to calculate how much 7 boxes of nails would cost him. How much would 9 boxes of nails cost him?
- 6) The equation  $38.36=(5.48)7$  shows how much money you would make for recycling 7 pounds of cans. How much do you make per pound recycled?
- 7) The equation  $73.15=(14.63)5$  shows how much it cost for a company to buy 5 new uniforms. How much does it cost per uniform?
- 8) A grocery store paid \$200.97 for 9 crates of milk. This can be expressed by the equation  $Y=KX$ . How much was it for one crate?
- 9) An ice cream truck driver determined he had made \$8.80 after selling 4 ice cream bars (using the equation  $y=kx$ ). How much would he have earned if he sold 8 bars?
- 10) To determine how many pages would be need to make 6 books you can use the equation,  $210=(35)6$ . How many pages would be in 7 books?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_



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- 10) To determine how many pages would be need to make 6 books you can use the equation,  $210=(35)6$ . How many pages would be in 7 books?

**Answers**

1. 222
2. \$26.95
3. 280
4. \$91.68
5. \$25.38
6. \$5.48
7. \$14.63
8. \$22.33
9. \$17.60
10. 245