

**Solve each problem.**

- 1) A developer was buying land. He bought 4 acres at \$1,863 per acre. He then split the land he purchased into 9 lots. How much should he sell each lot for just to break even?
  
- 2) Sarah's mother had 17 small photo albums filled with 72 photos in each. In order to save some space she bought 9 larger albums with each album having 40 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
  
- 3) A contractor bought 44 boxes of nails at a price of \$1 per box. Each box contained contained 56 nails. If he distributed the nails to the 4 houses he was building and made sure each house received the same number of nails, how many nails would each house get?
  
- 4) An industrial machine made 9,096 cans of diet sodas and 5 times as many regular sodas over the course of 53 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.
  
- 5) A donation center had filled up 44 small bins with canned food with each bin containing 24 cans. They plan to send the cans out to 4 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?
  
- 6) While playing a game Nancy defeated 5 enemies with each enemy defeated earning her 3,012 points. If she traded in all her points for 3 extra lives, how many points is it per life?
  
- 7) Mike and Olivia were comparing their Halloween candy. Mike received 4 times as much candy as Olivia received. Mike then split his candy evenly into 3 piles to eat later. If Olivia received 75 ounces of candy, how many ounces of candy would be in each of Mike's piles?
  
- 8) At the flea market Jerry found 7 buckets of LEGOs with each bucket containing 9,792 LEGO pieces. If he wanted to split the LEGO pieces into 6 piles, how many pieces should he put into each pile?

**Answers**

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**Solve each problem.**

- 1) A developer was buying land. He bought 4 acres at \$1,863 per acre. He then split the land he purchased into 9 lots. How much should he sell each lot for just to break even?  $1,863 \times 4$   
 $7,452 \div 9$
- 2) Sarah's mother had 17 small photo albums filled with 72 photos in each. In order to save some space she bought 9 larger albums with each album having 40 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?  $72 \times 17$   
 $1,224 \div 9$
- 3) A contractor bought 44 boxes of nails at a price of \$1 per box. Each box contained 56 nails. If he distributed the nails to the 4 houses he was building and made sure each house received the same number of nails, how many nails would each house get?  $56 \times 44$   
 $2,464 \div 4$
- 4) An industrial machine made 9,096 cans of diet sodas and 5 times as many regular sodas over the course of 53 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.  $9,096 \times 5$   
 $45,480 \div 2$
- 5) A donation center had filled up 44 small bins with canned food with each bin containing 24 cans. They plan to send the cans out to 4 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?  $24 \times 44$   
 $1,056 \div 4$
- 6) While playing a game Nancy defeated 5 enemies with each enemy defeated earning her 3,012 points. If she traded in all her points for 3 extra lives, how many points is it per life?  $3,012 \times 5$   
 $15,060 \div 3$
- 7) Mike and Olivia were comparing their Halloween candy. Mike received 4 times as much candy as Olivia received. Mike then split his candy evenly into 3 piles to eat later. If Olivia received 75 ounces of candy, how many ounces of candy would be in each of Mike's piles?  $75 \times 4$   
 $300 \div 3$
- 8) At the flea market Jerry found 7 buckets of LEGOs with each bucket containing 9,792 LEGO pieces. If he wanted to split the LEGO pieces into 6 piles, how many pieces should he put into each pile?  $9,792 \times 7$   
 $68,544 \div 6$

**Answers**

1. 828
2. 136
3. 616
4. 22,740
5. 264
6. 5,020
7. 100
8. 11,424



**Solve each problem.**

**Answers**

- 1) A donation center had filled up 35 small bins with canned food with each bin containing 42 cans. They plan to send the cans out to 6 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?
  
- 2) Sarah's mother had 16 small photo albums filled with 21 photos in each. In order to save some space she bought 7 larger albums with each album having 20 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
  
- 3) An industrial machine made 1,629 cans of diet sodas and 6 times as many regular sodas over the course of 46 minutes. The regular sodas were then placed into 3 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.
  
- 4) Frank developed a game for phones that he sold for \$2. After the first week he discovered he had 5,456 downloads from girls and 4 times as many boys download the game. Of the boys who downloaded it he only had  $\frac{1}{8}$  who bought the full game. How many boys bought the full game?
  
- 5) A restaurant owner bought 3 boxes of disposable cups for \$148, with each box containing 4,050 cups. If he wanted to divvy up the cups among his 9 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
  
- 6) A developer was buying land. He bought 5 acres at \$1,836 per acre. He then split the land he purchased into 6 lots. How much should he sell each lot for just to break even?
  
- 7) Mike and Olivia were comparing their Halloween candy. Mike received 4 times as much candy as Olivia received. Mike then split his candy evenly into 8 piles to eat later. If Olivia received 24 ounces of candy, how many ounces of candy would be in each of Mike's piles?
  
- 8) At Gwen's bakery over the course of a year she sold 78 birthday cakes for \$76 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{6}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?

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**Solve each problem.**

- 1) A donation center had filled up 35 small bins with canned food with each bin containing 42 cans. They plan to send the cans out to 6 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?  $42 \times 35$   
 $1,470 \div 6$
- 2) Sarah's mother had 16 small photo albums filled with 21 photos in each. In order to save some space she bought 7 larger albums with each album having 20 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?  $21 \times 16$   
 $336 \div 7$
- 3) An industrial machine made 1,629 cans of diet sodas and 6 times as many regular sodas over the course of 46 minutes. The regular sodas were then placed into 3 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.  $1,629 \times 6$   
 $9,774 \div 3$
- 4) Frank developed a game for phones that he sold for \$2. After the first week he discovered he had 5,456 downloads from girls and 4 times as many boys download the game. Of the boys who downloaded it he only had 1/8 who bought the full game. How many boys bought the full game?  $5,456 \times 4$   
 $21,824 \div 8$
- 5) A restaurant owner bought 3 boxes of disposable cups for \$148, with each box containing 4,050 cups. If he wanted to divvy up the cups among his 9 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?  $4,050 \times 3$   
 $12,150 \div 9$
- 6) A developer was buying land. He bought 5 acres at \$1,836 per acre. He then split the land he purchased into 6 lots. How much should he sell each lot for just to break even?  $1,836 \times 5$   
 $9,180 \div 6$
- 7) Mike and Olivia were comparing their Halloween candy. Mike received 4 times as much candy as Olivia received. Mike then split his candy evenly into 8 piles to eat later. If Olivia received 24 ounces of candy, how many ounces of candy would be in each of Mike's piles?  $24 \times 4$   
 $96 \div 8$
- 8) At Gwen's bakery over the course of a year she sold 78 birthday cakes for \$76 a cake. At the end of the year she determined that for each cake she sold she had spent 1/6 of the sale price on ingredients. How much money did she spend on ingredients for cakes?  $78 \times 76$   
 $5,928 \div 6$

**Answers**

1. 245
2. 48
3. 3,258
4. 2,728
5. 1,350
6. 1,530
7. 12
8. 988



**Solve each problem.**

**Answers**

- 1) Paul developed a game for phones that he sold for \$1. After the first week he discovered he had 8,616 downloads from girls and 5 times as many boys download the game. Of the boys who downloaded it he only had  $\frac{1}{3}$  who bought the full game. How many boys bought the full game?
  
- 2) At a potato chip factory there were 90 machines working with each machine able to produce 95 chips a minute. If this is enough potato chips to fill 5 shipping boxes, how many chips are there per box?
  
- 3) Janet was trying to save up \$316. At her job she made \$8 an hour and she worked 30 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{8}$  of her weeks earnings. How much money did she save up each week?
  
- 4) Paige's mother had 27 small photo albums filled with 30 photos in each. In order to save some space she bought 2 larger albums with each album having 45 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
  
- 5) A developer was buying land. He bought 8 acres at \$1,125 per acre. He then split the land he purchased into 3 lots. How much should he sell each lot for just to break even?
  
- 6) A king size candy bars costs \$2 with each candy bar having 1,855 calories. If you bought 2 candy bars and took 7 days eating them (eating the same amount each day) how many calories would you consume a day?
  
- 7) The owner of a malt shop spent \$3 buying 5 boxes of cups with each box containing 576 cups. If he expected the cups to last 8 months, how many cups does he plan to use each month?
  
- 8) Gwen was planning to marathon watch episodes of her favorite show. The show had 54 episodes with each episode lasting exactly 26 minutes. If she planned to spend 3 days watching the show how many minutes should she watch each day?

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**Solve each problem.**

- 1) Paul developed a game for phones that he sold for \$1. After the first week he discovered he had 8,616 downloads from girls and 5 times as many boys download the game. Of the boys who downloaded it he only had 1/3 who bought the full game. How many boys bought the full game?  $8,616 \times 5$   
 $43,080 \div 3$
- 2) At a potato chip factory there were 90 machines working with each machine able to produce 95 chips a minute. If this is enough potato chips to fill 5 shipping boxes, how many chips are there per box?  $95 \times 90$   
 $8,550 \div 5$
- 3) Janet was trying to save up \$316. At her job she made \$8 an hour and she worked 30 hours a week. After paying for her food and other expenditures she ended up only saving 1/8 of her weeks earnings. How much money did she save up each week?  $8 \times 30$   
 $240 \div 8$
- 4) Paige's mother had 27 small photo albums filled with 30 photos in each. In order to save some space she bought 2 larger albums with each album having 45 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?  $30 \times 27$   
 $810 \div 2$
- 5) A developer was buying land. He bought 8 acres at \$1,125 per acre. He then split the land he purchased into 3 lots. How much should he sell each lot for just to break even?  $1,125 \times 8$   
 $9,000 \div 3$
- 6) A king size candy bars costs \$2 with each candy bar having 1,855 calories. If you bought 2 candy bars and took 7 days eating them (eating the same amount each day) how many calories would you consume a day?  $1,855 \times 2$   
 $3,710 \div 7$
- 7) The owner of a malt shop spent \$3 buying 5 boxes of cups with each box containing 576 cups. If he expected the cups to last 8 months, how many cups does he plan to use each month?  $576 \times 5$   
 $2,880 \div 8$
- 8) Gwen was planning to marathon watch episodes of her favorite show. The show had 54 episodes with each episode lasting exactly 26 minutes. If she planned to spend 3 days watching the show how many minutes should she watch each day?  $54 \times 26$   
 $1,404 \div 3$

**Answers**1. 14,3602. 1,7103. 304. 4055. 3,0006. 5307. 3608. 468

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

- 1) Bianca was planning to marathon watch episodes of her favorite show. The show had 56 episodes with each episode lasting exactly 29 minutes. If she planned to spend 8 days watching the show how many minutes should she watch each day?
- 2) Sarah was trying to save up \$439. At her job she made \$10 an hour and she worked 29 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{5}$  of her weeks earnings. How much money did she save up each week?
- 3) At a potato chip factory there were 52 machines working with each machine able to produce 55 chips a minute. If this is enough potato chips to fill 5 shipping boxes, how many chips are there per box?
- 4) A contractor bought 24 boxes of nails at a price of \$2 per box. Each box contained contained 57 nails. If he distributed the nails to the 3 houses he was building and made sure each house received the same number of nails, how many nails would each house get?
- 5) A restaurant owner bought 4 boxes of disposable cups for \$80, with each box containing 3,507 cups. If he wanted to divvy up the cups among his 7 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
- 6) Nancy's mother had 28 small photo albums filled with 44 photos in each. In order to save some space she bought 2 larger albums with each album having 60 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
- 7) While playing a game Olivia defeated 2 enemies with each enemy defeated earning her 5,463 points. If she traded in all her points for 3 extra lives, how many points is it per life?
- 8) Jerry developed a game for phones that he sold for \$1. After the first week he discovered he had 6,816 downloads from girls and 5 times as many boys download the game. Of the boys who downloaded it he only had  $\frac{1}{6}$  who bought the full game. How many boys bought the full game?

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**Solve each problem.**

- 1) Bianca was planning to marathon watch episodes of her favorite show.  $56 \times 29$   
The show had 56 episodes with each episode lasting exactly 29 minutes.  $1,624 \div 8$   
If she planned to spend 8 days watching the show how many minutes should she watch each day?
- 2) Sarah was trying to save up \$439. At her job she made \$10 an hour and she worked 29 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{5}$  of her weeks earnings. How much money did she save up each week?  $10 \times 29$   
 $290 \div 5$
- 3) At a potato chip factory there were 52 machines working with each machine able to produce 55 chips a minute. If this is enough potato chips to fill 5 shipping boxes, how many chips are there per box?  $55 \times 52$   
 $2,860 \div 5$
- 4) A contractor bought 24 boxes of nails at a price of \$2 per box. Each box contained 57 nails. If he distributed the nails to the 3 houses he was building and made sure each house received the same number of nails, how many nails would each house get?  $57 \times 24$   
 $1,368 \div 3$
- 5) A restaurant owner bought 4 boxes of disposable cups for \$80, with each box containing 3,507 cups. If he wanted to divvy up the cups among his 7 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?  $3,507 \times 4$   
 $14,028 \div 7$
- 6) Nancy's mother had 28 small photo albums filled with 44 photos in each. In order to save some space she bought 2 larger albums with each album having 60 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?  $44 \times 28$   
 $1,232 \div 2$
- 7) While playing a game Olivia defeated 2 enemies with each enemy defeated earning her 5,463 points. If she traded in all her points for 3 extra lives, how many points is it per life?  $5,463 \times 2$   
 $10,926 \div 3$
- 8) Jerry developed a game for phones that he sold for \$1. After the first week he discovered he had 6,816 downloads from girls and 5 times as many boys download the game. Of the boys who downloaded it he only had  $\frac{1}{6}$  who bought the full game. How many boys bought the full game?  $6,816 \times 5$   
 $34,080 \div 6$

**Answers**

1. 203
2. 58
3. 572
4. 456
5. 2,004
6. 616
7. 3,642
8. 5,680



**Solve each problem.**

- 1) A restaurant owner bought 4 boxes of disposable cups for \$142, with each box containing 3,507 cups. If he wanted to divvy up the cups among his 7 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
- 2) A developer was buying land. He bought 2 acres at \$1,269 per acre. He then split the land he purchased into 9 lots. How much should he sell each lot for just to break even?
- 3) Roger developed a game for phones that he sold for \$5. After the first week he discovered he had 7,920 downloads from girls and 3 times as many boys download the game. Of the boys who downloaded it he only had  $\frac{1}{9}$  who bought the full game. How many boys bought the full game?
- 4) At a potato chip factory there were 55 machines working with each machine able to produce 54 chips a minute. If this is enough potato chips to fill 9 shipping boxes, how many chips are there per box?
- 5) Vanessa was planning to marathon watch episodes of her favorite show. The show had 8 episodes with each episode lasting exactly 26 minutes. If she planned to spend 8 days watching the show how many minutes should she watch each day?
- 6) Nancy's mother had 20 small photo albums filled with 72 photos in each. In order to save some space she bought 9 larger albums with each album having 73 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
- 7) At Olivia's bakery over the course of a year she sold 66 birthday cakes for \$90 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{2}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?
- 8) Gwen was trying to save up \$472. At her job she made \$12 an hour and she worked 35 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{3}$  of her weeks earnings. How much money did she save up each week?

**Answers**

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**Solve each problem.**

- 1) A restaurant owner bought 4 boxes of disposable cups for \$142, with each box containing 3,507 cups. If he wanted to divvy up the cups among his 7 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?  $3,507 \times 4$   
 $14,028 \div 7$
- 2) A developer was buying land. He bought 2 acres at \$1,269 per acre. He then split the land he purchased into 9 lots. How much should he sell each lot for just to break even?  $1,269 \times 2$   
 $2,538 \div 9$
- 3) Roger developed a game for phones that he sold for \$5. After the first week he discovered he had 7,920 downloads from girls and 3 times as many boys download the game. Of the boys who downloaded it he only had 1/9 who bought the full game. How many boys bought the full game?  $7,920 \times 3$   
 $23,760 \div 9$
- 4) At a potato chip factory there were 55 machines working with each machine able to produce 54 chips a minute. If this is enough potato chips to fill 9 shipping boxes, how many chips are there per box?  $54 \times 55$   
 $2,970 \div 9$
- 5) Vanessa was planning to marathon watch episodes of her favorite show. The show had 8 episodes with each episode lasting exactly 26 minutes. If she planned to spend 8 days watching the show how many minutes should she watch each day?  $8 \times 26$   
 $208 \div 8$
- 6) Nancy's mother had 20 small photo albums filled with 72 photos in each. In order to save some space she bought 9 larger albums with each album having 73 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?  $72 \times 20$   
 $1,440 \div 9$
- 7) At Olivia's bakery over the course of a year she sold 66 birthday cakes for \$90 a cake. At the end of the year she determined that for each cake she sold she had spent 1/2 of the sale price on ingredients. How much money did she spend on ingredients for cakes?  $66 \times 90$   
 $5,940 \div 2$
- 8) Gwen was trying to save up \$472. At her job she made \$12 an hour and she worked 35 hours a week. After paying for her food and other expenditures she ended up only saving 1/3 of her weeks earnings. How much money did she save up each week?  $12 \times 35$   
 $420 \div 3$

**Answers**

1. 2,004
2. 282
3. 2,640
4. 330
5. 26
6. 160
7. 2,970
8. 140

**Solve each problem.**

- 1) At the flea market Paul found 2 buckets of LEGOs with each bucket containing 5,130 LEGO pieces. If he wanted to split the LEGO pieces into 6 piles, how many pieces should he put into each pile?
  
- 2) At Sarah's bakery over the course of a year she sold 48 birthday cakes for \$71 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{3}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?
  
- 3) Janet's mother had 28 small photo albums filled with 74 photos in each. In order to save some space she bought 2 larger albums with each album having 99 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
  
- 4) Paige was planning to marathon watch episodes of her favorite show. The show had 48 episodes with each episode lasting exactly 22 minutes. If she planned to spend 4 days watching the show how many minutes should she watch each day?
  
- 5) An industrial machine made 8,484 cans of diet sodas and 7 times as many regular sodas over the course of 47 minutes. The regular sodas were then placed into 4 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.
  
- 6) A restaurant owner bought 4 boxes of disposable cups for \$109, with each box containing 2,632 cups. If he wanted to divvy up the cups among his 2 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
  
- 7) Olivia was trying to save up \$393. At her job she made \$14 an hour and she worked 29 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{2}$  of her weeks earnings. How much money did she save up each week?
  
- 8) A contractor bought 59 boxes of nails at a price of \$3 per box. Each box contained contained 21 nails. If he distributed the nails to the 3 houses he was building and made sure each house received the same number of nails, how many nails would each house get?

**Answers**

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**Solve each problem.**

- 1) At the flea market Paul found 2 buckets of LEGOs with each bucket containing 5,130 LEGO pieces. If he wanted to split the LEGO pieces into 6 piles, how many pieces should he put into each pile?  $5,130 \times 2$   
 $10,260 \div 6$
- 2) At Sarah's bakery over the course of a year she sold 48 birthday cakes for \$71 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{3}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?  $48 \times 71$   
 $3,408 \div 3$
- 3) Janet's mother had 28 small photo albums filled with 74 photos in each. In order to save some space she bought 2 larger albums with each album having 99 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?  $74 \times 28$   
 $2,072 \div 2$
- 4) Paige was planning to marathon watch episodes of her favorite show. The show had 48 episodes with each episode lasting exactly 22 minutes. If she planned to spend 4 days watching the show how many minutes should she watch each day?  $48 \times 22$   
 $1,056 \div 4$
- 5) An industrial machine made 8,484 cans of diet sodas and 7 times as many regular sodas over the course of 47 minutes. The regular sodas were then placed into 4 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.  $8,484 \times 7$   
 $59,388 \div 4$
- 6) A restaurant owner bought 4 boxes of disposable cups for \$109, with each box containing 2,632 cups. If he wanted to divvy up the cups among his 2 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?  $2,632 \times 4$   
 $10,528 \div 2$
- 7) Olivia was trying to save up \$393. At her job she made \$14 an hour and she worked 29 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{2}$  of her weeks earnings. How much money did she save up each week?  $14 \times 29$   
 $406 \div 2$
- 8) A contractor bought 59 boxes of nails at a price of \$3 per box. Each box contained contained 21 nails. If he distributed the nails to the 3 houses he was building and made sure each house received the same number of nails, how many nails would each house get?  $21 \times 59$   
 $1,239 \div 3$

**Answers**1. 1,7102. 1,1363. 1,0364. 2645. 14,8476. 5,2647. 2038. 413

**Solve each problem.**

- 1) At Bianca's bakery over the course of a year she sold 16 birthday cakes for \$67 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{4}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?
- 2) Over the course of 20 weeks Sarah collected 14 pounds of cans to recycle and Sam collected 6 times as much as Sarah. Sam then put his collection into 7 bags to take to the recycling center. How many pounds of cans did Sam put into each bag?
- 3) A restaurant owner bought 3 boxes of disposable cups for \$100, with each box containing 1,404 cups. If he wanted to divvy up the cups among his 6 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
- 4) Paige's mother had 27 small photo albums filled with 91 photos in each. In order to save some space she bought 7 larger albums with each album having 49 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
- 5) Oliver and Vanessa were comparing their Halloween candy. Oliver received 3 times as much candy as Vanessa received. Oliver then split his candy evenly into 4 piles to eat later. If Vanessa received 96 ounces of candy, how many ounces of candy would be in each of Oliver's piles?
- 6) Nancy was trying to save up \$464. At her job she made \$12 an hour and she worked 38 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{2}$  of her weeks earnings. How much money did she save up each week?
- 7) The owner of a malt shop spent \$3 buying 9 boxes of cups with each box containing 480 cups. If he expected the cups to last 3 months, how many cups does he plan to use each month?
- 8) An industrial machine made 1,026 cans of diet sodas and 5 times as many regular sodas over the course of 45 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.

**Answers**

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8. \_\_\_\_\_

**Solve each problem.**

- 1) At Bianca's bakery over the course of a year she sold 16 birthday cakes for \$67 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{4}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?  $16 \times 67$   
 $1,072 \div 4$
- 2) Over the course of 20 weeks Sarah collected 14 pounds of cans to recycle and Sam collected 6 times as much as Sarah. Sam then put his collection into 7 bags to take to the recycling center. How many pounds of cans did Sam put into each bag?  $14 \times 6$   
 $84 \div 7$
- 3) A restaurant owner bought 3 boxes of disposable cups for \$100, with each box containing 1,404 cups. If he wanted to divvy up the cups among his 6 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?  $1,404 \times 3$   
 $4,212 \div 6$
- 4) Paige's mother had 27 small photo albums filled with 91 photos in each. In order to save some space she bought 7 larger albums with each album having 49 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?  $91 \times 27$   
 $2,457 \div 7$
- 5) Oliver and Vanessa were comparing their Halloween candy. Oliver received 3 times as much candy as Vanessa received. Oliver then split his candy evenly into 4 piles to eat later. If Vanessa received 96 ounces of candy, how many ounces of candy would be in each of Oliver's piles?  $96 \times 3$   
 $288 \div 4$
- 6) Nancy was trying to save up \$464. At her job she made \$12 an hour and she worked 38 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{2}$  of her weeks earnings. How much money did she save up each week?  $12 \times 38$   
 $456 \div 2$
- 7) The owner of a malt shop spent \$3 buying 9 boxes of cups with each box containing 480 cups. If he expected the cups to last 3 months, how many cups does he plan to use each month?  $480 \times 9$   
 $4,320 \div 3$
- 8) An industrial machine made 1,026 cans of diet sodas and 5 times as many regular sodas over the course of 45 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.  $1,026 \times 5$   
 $5,130 \div 2$

**Answers**

1. 268
2. 12
3. 702
4. 351
5. 72
6. 228
7. 1,440
8. 2,565

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

- 1) At Bianca's bakery over the course of a year she sold 48 birthday cakes for \$88 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{6}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?
- 2) An industrial machine made 6,296 cans of diet sodas and 6 times as many regular sodas over the course of 41 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.
- 3) A developer was buying land. He bought 8 acres at \$1,575 per acre. He then split the land he purchased into 7 lots. How much should he sell each lot for just to break even?
- 4) Paige was planning to marathon watch episodes of her favorite show. The show had 42 episodes with each episode lasting exactly 22 minutes. If she planned to spend 6 days watching the show how many minutes should she watch each day?
- 5) A donation center had filled up 55 small bins with canned food with each bin containing 54 cans. They plan to send the cans out to 3 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?
- 6) While playing a game Nancy defeated 4 enemies with each enemy defeated earning her 4,320 points. If she traded in all her points for 6 extra lives, how many points is it per life?
- 7) At the flea market Mike found 6 buckets of LEGOs with each bucket containing 4,509 LEGO pieces. If he wanted to split the LEGO pieces into 9 piles, how many pieces should he put into each pile?
- 8) The owner of a malt shop spent \$3 buying 2 boxes of cups with each box containing 102 cups. If he expected the cups to last 6 months, how many cups does he plan to use each month?

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

**Solve each problem.**

- 1) At Bianca's bakery over the course of a year she sold 48 birthday cakes for \$88 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{6}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?  
 $48 \times 88$   
 $4,224 \div 6$
- 2) An industrial machine made 6,296 cans of diet sodas and 6 times as many regular sodas over the course of 41 minutes. The regular sodas were then placed into 2 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box?  
 $6,296 \times 6$   
 $37,776 \div 2$
- 3) A developer was buying land. He bought 8 acres at \$1,575 per acre. He then split the land he purchased into 7 lots. How much should he sell each lot for just to break even?  
 $1,575 \times 8$   
 $12,600 \div 7$
- 4) Paige was planning to marathon watch episodes of her favorite show. The show had 42 episodes with each episode lasting exactly 22 minutes. If she planned to spend 6 days watching the show how many minutes should she watch each day?  
 $42 \times 22$   
 $924 \div 6$
- 5) A donation center had filled up 55 small bins with canned food with each bin containing 54 cans. They plan to send the cans out to 3 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?  
 $54 \times 55$   
 $2,970 \div 3$
- 6) While playing a game Nancy defeated 4 enemies with each enemy defeated earning her 4,320 points. If she traded in all her points for 6 extra lives, how many points is it per life?  
 $4,320 \times 4$   
 $17,280 \div 6$
- 7) At the flea market Mike found 6 buckets of LEGOs with each bucket containing 4,509 LEGO pieces. If he wanted to split the LEGO pieces into 9 piles, how many pieces should he put into each pile?  
 $4,509 \times 6$   
 $27,054 \div 9$
- 8) The owner of a malt shop spent \$3 buying 2 boxes of cups with each box containing 102 cups. If he expected the cups to last 6 months, how many cups does he plan to use each month?  
 $102 \times 2$   
 $204 \div 6$

**Answers**

1. 704
2. 18,888
3. 1,800
4. 154
5. 990
6. 2,880
7. 3,006
8. 34



**Solve each problem.**

- 1) While playing a game Bianca defeated 8 enemies with each enemy defeated earning her 1,780 points. If she traded in all her points for 4 extra lives, how many points is it per life?
  
- 2) At Sarah's bakery over the course of a year she sold 45 birthday cakes for \$71 a cake. At the end of the year she determined that for each cake she sold she had spent  $\frac{1}{5}$  of the sale price on ingredients. How much money did she spend on ingredients for cakes?
  
- 3) A developer was buying land. He bought 7 acres at \$1,458 per acre. He then split the land he purchased into 9 lots. How much should he sell each lot for just to break even?
  
- 4) Frank and Paige were comparing their Halloween candy. Frank received 3 times as much candy as Paige received. Frank then split his candy evenly into 4 piles to eat later. If Paige received 92 ounces of candy, how many ounces of candy would be in each of Frank's piles?
  
- 5) Vanessa was trying to save up \$415. At her job she made \$6 an hour and she worked 33 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{6}$  of her weeks earnings. How much money did she save up each week?
  
- 6) Nancy's mother had 21 small photo albums filled with 54 photos in each. In order to save some space she bought 6 larger albums with each album having 46 pages. If she wanted to put all her pictures into the large albums, with the same number of pictures in each, how many pictures should be in each album?
  
- 7) Olivia was planning to marathon watch episodes of her favorite show. The show had 36 episodes with each episode lasting exactly 22 minutes. If she planned to spend 3 days watching the show how many minutes should she watch each day?
  
- 8) A king size candy bars costs \$1 with each candy bar having 1,600 calories. If you bought 3 candy bars and took 8 days eating them (eating the same amount each day) how many calories would you consume a day?

**Answers**

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

**Solve each problem.**

- 1) While playing a game Bianca defeated 8 enemies with each enemy  $1,780 \times 8$   
defeated earning her 1,780 points. If she traded in all her points for 4 extra  $14,240 \div 4$   
lives, how many points is it per life?
- 2) At Sarah's bakery over the course of a year she sold 45 birthday cakes for  $45 \times 71$   
\$71 a cake. At the end of the year she determined that for each cake she  $3,195 \div 5$   
sold she had spent  $\frac{1}{5}$  of the sale price on ingredients. How much money  
did she spend on ingredients for cakes?
- 3) A developer was buying land. He bought 7 acres at \$1,458 per acre. He  $1,458 \times 7$   
then split the land he purchased into 9 lots. How much should he sell each  $10,206 \div 9$   
lot for just to break even?
- 4) Frank and Paige were comparing their Halloween candy. Frank received 3  $92 \times 3$   
times as much candy as Paige received. Frank then split his candy evenly  $276 \div 4$   
into 4 piles to eat later. If Paige received 92 ounces of candy, how many  
ounces of candy would be in each of Frank's piles?
- 5) Vanessa was trying to save up \$415. At her job she made \$6 an hour and  $6 \times 33$   
she worked 33 hours a week. After paying for her food and other  $198 \div 6$   
expenditures she ended up only saving  $\frac{1}{6}$  of her weeks earnings. How  
much money did she save up each week?
- 6) Nancy's mother had 21 small photo albums filled with 54 photos in each.  $54 \times 21$   
In order to save some space she bought 6 larger albums with each album  $1,134 \div 6$   
having 46 pages. If she wanted to put all her pictures into the large  
albums, with the same number of pictures in each, how many pictures  
should be in each album?
- 7) Olivia was planning to marathon watch episodes of her favorite show.  $36 \times 22$   
The show had 36 episodes with each episode lasting exactly 22 minutes.  $792 \div 3$   
If she planned to spend 3 days watching the show how many minutes  
should she watch each day?
- 8) A king size candy bars costs \$1 with each candy bar having 1,600  $1,600 \times 3$   
calories. If you bought 3 candy bars and took 8 days eating them (eating  $4,800 \div 8$   
the same amount each day) how many calories would you consume a  
day?

**Answers**1. **3,560**2. **639**3. **1,134**4. **69**5. **33**6. **189**7. **264**8. **600**



**Solve each problem.**

**Answers**

- 1) At the flea market Paul found 4 buckets of LEGOs with each bucket containing 1,398 LEGO pieces. If he wanted to split the LEGO pieces into 3 piles, how many pieces should he put into each pile?
  
- 2) A king size candy bars costs \$3 with each candy bar having 1,611 calories. If you bought 3 candy bars and took 9 days eating them (eating the same amount each day) how many calories would you consume a day?
  
- 3) Roger and Janet were comparing their Halloween candy. Roger received 3 times as much candy as Janet received. Roger then split his candy evenly into 8 piles to eat later. If Janet received 24 ounces of candy, how many ounces of candy would be in each of Roger's piles?
  
- 4) Paige was planning to marathon watch episodes of her favorite show. The show had 55 episodes with each episode lasting exactly 28 minutes. If she planned to spend 5 days watching the show how many minutes should she watch each day?
  
- 5) A restaurant owner bought 8 boxes of disposable cups for \$138, with each box containing 4,820 cups. If he wanted to divvy up the cups among his 5 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?
  
- 6) Nancy was trying to save up \$475. At her job she made \$14 an hour and she worked 29 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{7}$  of her weeks earnings. How much money did she save up each week?
  
- 7) A contractor bought 88 boxes of nails at a price of \$1 per box. Each box contained contained 90 nails. If he distributed the nails to the 5 houses he was building and made sure each house received the same number of nails, how many nails would each house get?
  
- 8) A donation center had filled up 13 small bins with canned food with each bin containing 96 cans. They plan to send the cans out to 6 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

**Solve each problem.**

- 1) At the flea market Paul found 4 buckets of LEGOs with each bucket containing 1,398 LEGO pieces. If he wanted to split the LEGO pieces into 3 piles, how many pieces should he put into each pile?  $1,398 \times 4$   
 $5,592 \div 3$
- 2) A king size candy bars costs \$3 with each candy bar having 1,611 calories. If you bought 3 candy bars and took 9 days eating them (eating the same amount each day) how many calories would you consume a day?  $1,611 \times 3$   
 $4,833 \div 9$
- 3) Roger and Janet were comparing their Halloween candy. Roger received 3 times as much candy as Janet received. Roger then split his candy evenly into 8 piles to eat later. If Janet received 24 ounces of candy, how many ounces of candy would be in each of Roger's piles?  $24 \times 3$   
 $72 \div 8$
- 4) Paige was planning to marathon watch episodes of her favorite show. The show had 55 episodes with each episode lasting exactly 28 minutes. If she planned to spend 5 days watching the show how many minutes should she watch each day?  $55 \times 28$   
 $1,540 \div 5$
- 5) A restaurant owner bought 8 boxes of disposable cups for \$138, with each box containing 4,820 cups. If he wanted to divvy up the cups among his 5 restaurants, with each restaurant getting the same number of cups, how many cups should each store get?  $4,820 \times 8$   
 $38,560 \div 5$
- 6) Nancy was trying to save up \$475. At her job she made \$14 an hour and she worked 29 hours a week. After paying for her food and other expenditures she ended up only saving  $\frac{1}{7}$  of her weeks earnings. How much money did she save up each week?  $14 \times 29$   
 $406 \div 7$
- 7) A contractor bought 88 boxes of nails at a price of \$1 per box. Each box contained contained 90 nails. If he distributed the nails to the 5 houses he was building and made sure each house received the same number of nails, how many nails would each house get?  $90 \times 88$   
 $7,920 \div 5$
- 8) A donation center had filled up 13 small bins with canned food with each bin containing 96 cans. They plan to send the cans out to 6 food banks but want to give each food bank the same number of cans. How many cans should they give to each food bank?  $96 \times 13$   
 $1,248 \div 6$

**Answers**1. 1,8642. 5373. 94. 3085. 7,7126. 587. 1,5848. 208