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?

1. _____

2. _____

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. _____

4. _____

5. _____

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.

6. _____

7. _____

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?

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?

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 1/6 of the sale price on ingredients. How much money did she spend on ingredients for cakes?

Solve each problem.

1) A donation center had filled up 35 small bins with canned food with each 42×35 bin containing 42 cans. They plan to send the cans out to 6 food banks but $1{,}470 \div 6$ want to give each food bank the same number of cans. How many cans should they give to each food bank?

1. _____ **245**

2. _____ **48**

2) Sarah's mother had 16 small photo albums filled with 21 photos in each. 21×16 In order to save some space she bought 7 larger albums with each album $336 \div 7$ 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. _____ **3,258**

4. _____ **2,728**

3) An industrial machine made 1,629 cans of diet sodas and 6 times as many $1{,}629 \times 6$ regular sodas over the course of 46 minutes. The regular sodas were then $9{,}774 \div 3$ placed into 3 shipping boxes with each shipping box containing the same number of sodas. How many regular sodas were in each shipping box.

5. _____ **1,350**

6. _____ **1,530**

4) Frank developed a game for phones that he sold for $2. After the first $5{,}456 \times 4$ week he discovered he had 5,456 downloads from girls and 4 times as $21{,}824 \div 8$ 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?

7. _____ **12**

8. _____ **988**

5) A restaurant owner bought 3 boxes of disposable cups for $148, with each $4{,}050 \times 3$ box containing 4,050 cups. If he wanted to divvy up the cups among his 9 $12{,}150 \div 9$ 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 $1{,}836 \times 5$ then split the land he purchased into 6 lots. How much should he sell each $9{,}180 \div 6$ lot for just to break even?

7) Mike and Olivia were comparing their Halloween candy. Mike received 4 24×4 times as much candy as Olivia received. Mike then split his candy evenly $96 \div 8$ 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 78×76 $76 a cake. At the end of the year she determined that for each cake she $5{,}928 \div 6$ sold she had spent 1/6 of the sale price on ingredients. How much money did she spend on ingredients for cakes?