

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

- 1) Paul wanted to give each of his thirty-nine friends an equal amount of candy. At the store he bought seven hundred eighty-seven pieces total to give to them. How many more pieces should he have bought so he didn't have any extra?
- 2) A flash drive could hold forty-three gigs of data. If you needed to store nine hundred thirty-seven gigs, how many flash drives would you need?
- 3) Cody has to sell two hundred seventy-three chocolate bars to win a trip. If each box contains forty-six chocolate bars, how many boxes will he need to sell to win the trip?
- 4) At the carnival, twenty-four friends bought seven hundred fifteen tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?
- 5) A post office has four hundred eight pieces of junk mail they want to split evenly between sixteen mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?
- 6) An industrial machine can make one hundred sixty-eight crayons a day. If each box of crayons has twenty crayons in it, how many full boxes does the machine make a day?
- 7) A vat of orange juice was three hundred sixty-five pints. If you wanted to pour the vat into fifteen glasses with the same amount in each glass, how many pints would be in each glass?
- 8) An airline has five hundred ninety-two pieces of luggage to put away. If each luggage compartment will hold forty-three pieces of luggage, how many will be in the compartment that isn't full?
- 9) It takes eighteen grams of plastic to make a ruler. If a company had seven hundred twenty-six grams of plastic, how many entire rulers could they make?
- 10) A coat factory had six hundred twenty-two coats. If they wanted to put them into forty-four boxes, with the same number of coats in each box, how many extra coats would they have left over?

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| | | <u>Answers</u> |
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| 1) Paul wanted to give each of his thirty-nine friends an equal amount of candy. At the store he bought seven hundred eighty-seven pieces total to give to them. He many more pieces should he have bought so he didn't have any extra? | $787 \div 39 = 20 \text{ r}7$ | 1. <u>32</u> |
| 2) A flash drive could hold forty-three gigs of data. If you needed to store nine hundred thirty-seven gigs, how many flash drive would you need? | $937 \div 43 = 21 \text{ r}34$ | 2. <u>22</u> 3. <u>6</u> |
| 3) Cody has to sell two hundred seventy-three chocolate bars to win a trip. If each box contains forty-six chocolate bars, how many boxes will he need to sell to win the trip? | $273 \div 46 = 5 \text{ r}43$ | 4. <u>5</u> 5. <u>8</u> |
| 4) At the carnival, twenty-four friends bought seven hundred fifteen tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy? | $715 \div 24 = 29 \text{ r}19$ | 6. <u>8</u> 7. <u>24</u> |
| 5) A post office has four hundred eight pieces of junk mail they want to split evenly between sixteen mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount? | $408 \div 16 = 25 \text{ r}8$ | 8. <u>33</u> 9. <u>40</u> |
| 6) An industrial machine can make one hundred sixty-eight crayons a day. If each box of crayons has twenty crayons in it, how many full boxes does the machine make a day? | $168 \div 20 = 8 \text{ r}8$ | 10. <u>6</u> |
| 7) A vat of orange juice was three hundred sixty-five pints. If you wanted to pour the vat into fifteen glasses with the same amount in each glass, how many pints would be in each glass? | $365 \div 15 = 24 \text{ r}5$ | |
| 8) An airline has five hundred ninety-two pieces of luggage to put away. If each luggage compartment will hold forty-three pieces of luggage, how many will be in the compartment that isn't full? | $592 \div 43 = 13 \text{ r}33$ | |
| 9) It takes eighteen grams of plastic to make a ruler. If a company had seven hundred twenty-six grams of plastic, how many entire rulers could they make? | $726 \div 18 = 40 \text{ r}6$ | |
| 10) A coat factory had six hundred twenty-two coats. If they wanted to put them into forty-four boxes, with the same number of coats in each box, how many extra coats would they have left over? | $622 \div 44 = 14 \text{ r}6$ | |



Solve each problem.

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| 40 | 5 | 6 | 22 | 8 |
| 33 | 8 | 24 | 6 | 32 |

Answers

- 1) Paul wanted to give each of his 39 friends an equal amount of candy. At the store he bought 787 pieces total to give to them. He many more pieces should he have bought so he didn't have any extra?
- 2) A flash drive could hold 43 gigs of data. If you needed to store 937 gigs, how many flash drive would you need?
- 3) Cody has to sell 273 chocolate bars to win a trip. If each box contains 46 chocolate bars, how many boxes will he need to sell to win the trip?
- 4) At the carnival, 24 friends bought 715 tickets. If they wanted to split all the tickets so each friend got the same amount, how many more tickets would they need to buy?
- 5) A post office has 408 pieces of junk mail they want to split evenly between 16 mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?
- 6) An industrial machine can make 168 crayons a day. If each box of crayons has 20 crayons in it, how many full boxes does the machine make a day?
- 7) A vat of orange juice was 365 pints. If you wanted to pour the vat into 15 glasses with the same amount in each glass, how many pints would be in each glass?
- 8) An airline has 592 pieces of luggage to put away. If each luggage compartment will hold 43 pieces of luggage, how many will be in the compartment that isn't full?
- 9) It takes 18 grams of plastic to make a ruler. If a company had 726 grams of plastic, how many entire rulers could they make?
- 10) A coat factory had 622 coats. If they wanted to put them into 44 boxes, with the same number of coats in each box, how many extra coats would they have left over?

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