

**Use division to solve each problem.****Answers**

- 1) Sam's dad bought fourteen meters of string. If he wanted to cut the string into pieces with each piece being three meters long, how many full sized pieces could he make?
- 2) An art museum had thirty-six pictures to split equally into five different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 3) A coat factory had seventeen coats. If they wanted to put them into three boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 4) Jerry has to sell thirty-six chocolate bars to win a trip. If each box contains eight chocolate bars, how many boxes will he need to sell to win the trip?
- 5) A new video game console needs six computer chips. If a machine can create forty-four computer chips a day, how many video game consoles can be created in a day?
- 6) It takes seven apples to make an apple pie. If a chef bought twenty-two apples, the last pie would need how many more apples?
- 7) It takes two grams of plastic to make a ruler. If a company had seventeen grams of plastic, how many entire rulers could they make?
- 8) Frank wanted to give each of his four friends an equal amount of candy. At the store he bought eleven pieces total to give to them. He many more pieces should he have bought so he didn't have any extra?
- 9) There are forty-three students going to a trivia competition. If each school van can hold five students, how many vans will they need?
- 10) The roller coaster at the state fair costs seven tickets per ride. If you had twenty-two tickets, how many tickets would you have left if you rode it as many times as you could?

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|   |                            |     | <u>Answers</u> |
|---|----------------------------|-----|----------------|
| 1) Sam's dad bought fourteen meters of string. If he wanted to cut the string into pieces with each piece being three meters long, how many full sized pieces could he make?                                  | $14 \div 3 = 4 \text{ r}2$ | 1.  | <u>4</u>       |
| 2) An art museum had thirty-six pictures to split equally into five different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?                                 | $36 \div 5 = 7 \text{ r}1$ | 2.  | <u>4</u>       |
| 3) A coat factory had seventeen coats. If they wanted to put them into three boxes, with the same number of coats in each box, how many extra coats would they have left over?                                | $17 \div 3 = 5 \text{ r}2$ | 3.  | <u>2</u>       |
| 4) Jerry has to sell thirty-six chocolate bars to win a trip. If each box contains eight chocolate bars, how many boxes will he need to sell to win the trip?   | $36 \div 8 = 4 \text{ r}4$ | 4.  | <u>5</u>       |
| 5) A new video game console needs six computer chips. If a machine can create forty-four computer chips a day, how many video game consoles can be created in a day?  | $44 \div 6 = 7 \text{ r}2$ | 5.  | <u>7</u>       |
| 6) It takes seven apples to make an apple pie. If a chef bought twenty-two apples, the last pie would need how many more apples?  | $22 \div 7 = 3 \text{ r}1$ | 6.  | <u>6</u>       |
| 7) It takes two grams of plastic to make a ruler. If a company had seventeen grams of plastic, how many entire rulers could they make?  | $17 \div 2 = 8 \text{ r}1$ | 7.  | <u>8</u>       |
| 8) Frank wanted to give each of his four friends an equal amount of candy. At the store he bought eleven pieces total to give to them. He many more pieces should he have bought so he didn't have any extra? | $11 \div 4 = 2 \text{ r}3$ | 8.  | <u>1</u>       |
| 9) There are forty-three students going to a trivia competition. If each school van can hold five students, how many vans will they need?   | $43 \div 5 = 8 \text{ r}3$ | 9.  | <u>9</u>       |
| 10) The roller coaster at the state fair costs seven tickets per ride. If you had twenty-two tickets, how many tickets would you have left if you rode it as many times as you could?                         | $22 \div 7 = 3 \text{ r}1$ | 10. | <u>1</u>       |



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| 9 | 5 | 1 | 2 | 8 |
| 4 | 6 | 7 | 4 | 1 |

**Answers**

- 1) Sam's dad bought 14 meters of string. If he wanted to cut the string into pieces with each piece being 3 meters long, how many full sized pieces could he make?
- 2) An art museum had 36 pictures to split equally into 5 different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 3) A coat factory had 17 coats. If they wanted to put them into 3 boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 4) Jerry has to sell 36 chocolate bars to win a trip. If each box contains 8 chocolate bars, how many boxes will he need to sell to win the trip?
- 5) A new video game console needs 6 computer chips. If a machine can create 44 computer chips a day, how many video game consoles can be created in a day?
- 6) It takes 7 apples to make an apple pie. If a chef bought 22 apples, the last pie would need how many more apples?
- 7) It takes 2 grams of plastic to make a ruler. If a company had 17 grams of plastic, how many entire rulers could they make?
- 8) Frank wanted to give each of his 4 friends an equal amount of candy. At the store he bought 11 pieces total to give to them. He many more pieces should he have bought so he didn't have any extra?
- 9) There are 43 students going to a trivia competition. If each school van can hold 5 students, how many vans will they need?
- 10) The roller coaster at the state fair costs 7 tickets per ride. If you had 22 tickets, how many tickets would you have left if you rode it as many times as you could?

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