

**Solve each problem.**

- 1) Megan had five hundred sixteen pennies. She wanted to place the pennies into nine stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
- 2) An art museum had five hundred fifty-nine pictures to split equally into four different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 3) A coat factory had one hundred fifty-one coats. If they wanted to put them into nine boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 4) The roller coaster at the state fair costs four tickets per ride. If you had one hundred eighteen tickets, how many tickets would you have left if you rode it as many times as you could?
- 5) A baker had six boxes for donuts. He ended up making eight hundred twelve donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?
- 6) A truck can hold four boxes. If you needed to move eight hundred seventy-one boxes across town, how many trips would you need to make?
- 7) A box of computer paper has five hundred thirteen sheets left in it. If each printer in a computer lab needed six sheets how many printers would the box fill up?
- 8) A food company has three hundred ninety-five kilograms of food to put into boxes. If each box gets exactly eight kilograms, how many full boxes will they have?
- 9) A clown needed seven hundred one balloons for a party he was going to, but the balloons only came in packs of eight. How many packs of balloons would he need to buy?
- 10) A vat of orange juice was four hundred eighty-four pints. If you wanted to pour the vat into six glasses with the same amount in each glass, how many pints would be in each glass?

Answers

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



Solve each problem.

		<u>Answers</u>
1) Megan had five hundred sixteen pennies. She wanted to place the pennies into nine stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?	$516 \div 9 = 57 \text{ r}3$	1. <u>6</u>
2) An art museum had five hundred fifty-nine pictures to split equally into four different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?	$559 \div 4 = 139 \text{ r}3$	2. <u>1</u>
3) A coat factory had one hundred fifty-one coats. If they wanted to put them into nine boxes, with the same number of coats in each box, how many extra coats would they have left over?	$151 \div 9 = 16 \text{ r}7$	3. <u>7</u>
4) The roller coaster at the state fair costs four tickets per ride. If you had one hundred eighteen tickets, how many tickets would you have left if you rode it as many times as you could?	$118 \div 4 = 29 \text{ r}2$	4. <u>2</u>
5) A baker had six boxes for donuts. He ended up making eight hundred twelve donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?	$812 \div 6 = 135 \text{ r}2$	5. <u>2</u>
6) A truck can hold four boxes. If you needed to move eight hundred seventy-one boxes across town, how many trips would you need to make?	$871 \div 4 = 217 \text{ r}3$	6. <u>218</u>
7) A box of computer paper has five hundred thirteen sheets left in it. If each printer in a computer lab needed six sheets how many printers would the box fill up?	$513 \div 6 = 85 \text{ r}3$	7. <u>85</u>
8) A food company has three hundred ninety-five kilograms of food to put into boxes. If each box gets exactly eight kilograms, how many full boxes will they have?	$395 \div 8 = 49 \text{ r}3$	8. <u>49</u>
9) A clown needed seven hundred one balloons for a party he was going to, but the balloons only came in packs of eight. How many packs of balloons would he need to buy?	$701 \div 8 = 87 \text{ r}5$	9. <u>88</u>
10) A vat of orange juice was four hundred eighty-four pints. If you wanted to pour the vat into six glasses with the same amount in each glass, how many pints would be in each glass?	$484 \div 6 = 80 \text{ r}4$	10. <u>80</u>



Solve each problem.

218	1	7	49	85
88	2	2	6	80

Answers

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

- 1) Megan had five hundred sixteen pennies. She wanted to place the pennies into nine stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
- 2) An art museum had five hundred fifty-nine pictures to split equally into four different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 3) A coat factory had one hundred fifty-one coats. If they wanted to put them into nine boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 4) The roller coaster at the state fair costs four tickets per ride. If you had one hundred eighteen tickets, how many tickets would you have left if you rode it as many times as you could?
- 5) A baker had six boxes for donuts. He ended up making eight hundred twelve donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?
- 6) A truck can hold four boxes. If you needed to move eight hundred seventy-one boxes across town, how many trips would you need to make?
- 7) A box of computer paper has five hundred thirteen sheets left in it. If each printer in a computer lab needed six sheets how many printers would the box fill up?
- 8) A food company has three hundred ninety-five kilograms of food to put into boxes. If each box gets exactly eight kilograms, how many full boxes will they have?
- 9) A clown needed seven hundred one balloons for a party he was going to, but the balloons only came in packs of eight. How many packs of balloons would he need to buy?
- 10) A vat of orange juice was four hundred eighty-four pints. If you wanted to pour the vat into six glasses with the same amount in each glass, how many pints would be in each glass?