

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

- 1) An industrial machine can make seventy-three crayons a day. If each box of crayons has nine crayons in it, how many full boxes does the machine make a day?
- 2) A librarian had to pack forty-four books into boxes. If each box can hold six books, how many boxes did she need?
- 3) A recycling company had eighty-five pounds of material to sort. To make it easier they split them into boxes with each full box having nine pounds, how many full boxes did they have?
- 4) Adam is trying to earn thirty-five dollars for some new toys. If he charges four dollars to mow a lawn, how many lawns will he need to mow to earn the money?
- 5) Olivia had twenty-one pennies. She wanted to place the pennies into six stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
- 6) A movie theater needed nine popcorn buckets. If each package has two buckets in it, how many packages will they need to buy?
- 7) A box of computer paper has forty-five sheets left in it. If each printer in a computer lab needed six sheets how many printers would the box fill up?
- 8) A coat factory had fifty-five coats. If they wanted to put them into seven boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 9) A school had eighty-two students sign up for the trivia teams. If they wanted to have nine team, with the same number of students on each team, how many more students would need to sign up?
- 10) A post office has sixteen pieces of junk mail they want to split evenly between six mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?

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Use division to solve each problem.

			<u>Answers</u>
1) An industrial machine can make seventy-three crayons a day. If each box of crayons has nine crayons in it, how many full boxes does the machine make a day?	$73 \div 9 = 8 \text{ r}1$	1.	<u>8</u>
2) A librarian had to pack forty-four books into boxes. If each box can hold six books, how many boxes did she need?	$44 \div 6 = 7 \text{ r}2$	2.	<u>8</u>
3) A recycling company had eighty-five pounds of material to sort. To make it easier they split them into boxes with each full box having nine pounds, how many full boxes did they have?	$85 \div 9 = 9 \text{ r}4$	3.	<u>9</u>
4) Adam is trying to earn thirty-five dollars for some new toys. If he charges four dollars to mow a lawn, how many lawns will he need to mow to earn the money?	$35 \div 4 = 8 \text{ r}3$	4.	<u>9</u>
5) Olivia had twenty-one pennies. She wanted to place the pennies into six stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?	$21 \div 6 = 3 \text{ r}3$	5.	<u>3</u>
6) A movie theater needed nine popcorn buckets. If each package has two buckets in it, how many packages will they need to buy?	$9 \div 2 = 4 \text{ r}1$	6.	<u>5</u>
7) A box of computer paper has forty-five sheets left in it. If each printer in a computer lab needed six sheets how many printers would the box fill up?	$45 \div 6 = 7 \text{ r}3$	7.	<u>7</u>
8) A coat factory had fifty-five coats. If they wanted to put them into seven boxes, with the same number of coats in each box, how many extra coats would they have left over?	$55 \div 7 = 7 \text{ r}6$	8.	<u>6</u>
9) A school had eighty-two students sign up for the trivia teams. If they wanted to have nine team, with the same number of students on each team, how many more students would need to sign up?	$82 \div 9 = 9 \text{ r}1$	9.	<u>8</u>
10) A post office has sixteen pieces of junk mail they want to split evenly between six mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?	$16 \div 6 = 2 \text{ r}4$	10.	<u>4</u>



Use division to solve each problem.

6	4	9	8	9
3	8	7	5	8

**Answers**

- 1) An industrial machine can make 73 crayons a day. If each box of crayons has 9 crayons in it, how many full boxes does the machine make a day?
- 2) A librarian had to pack 44 books into boxes. If each box can hold 6 books, how many boxes did she need?
- 3) A recycling company had 85 pounds of material to sort. To make it easier they split them into boxes with each full box having 9 pounds, how many full boxes did they have?
- 4) Adam is trying to earn 35 dollars for some new toys. If he charges 4 dollars to mow a lawn, how many lawns will he need to mow to earn the money?
- 5) Olivia had 21 pennies. She wanted to place the pennies into 6 stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
- 6) A movie theater needed 9 popcorn buckets. If each package has 2 buckets in it, how many packages will they need to buy?
- 7) A box of computer paper has 45 sheets left in it. If each printer in a computer lab needed 6 sheets how many printers would the box fill up?
- 8) A coat factory had 55 coats. If they wanted to put them into 7 boxes, with the same number of coats in each box, how many extra coats would they have left over?
- 9) A school had 82 students sign up for the trivia teams. If they wanted to have 9 team, with the same number of students on each team, how many more students would need to sign up?
- 10) A post office has 16 pieces of junk mail they want to split evenly between 6 mail trucks. How many extra pieces of junk mail will they have if they give each truck the same amount?

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