

**Solve each problem.**

- 1) A restaurant needs to buy two hundred forty-two new plates. If each box has thirty plates in it, how many boxes will they need to buy?
- 2) A recycling company had four hundred twenty-four pounds of material to sort. To make it easier they split them into boxes with each full box having nineteen pounds, how many full boxes did they have?
- 3) An art museum had six hundred nineteen pictures to split equally into thirty-nine different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 4) Roger's dad bought three hundred nineteen meters of string. If he wanted to cut the string into pieces with each piece being forty-nine meters long, how many full sized pieces could he make?
- 5) Will has to sell four hundred fifty-five chocolate bars to win a trip. If each box contains forty-two chocolate bars, how many boxes will he need to sell to win the trip?
- 6) A school had six hundred sixty students sign up for the trivia teams. If they wanted to have forty-seven team, with the same number of students on each team, how many more students would need to sign up?
- 7) Mike is trying to earn two hundred eighteen dollars for some new toys. If he charges forty-eight dollars to mow a lawn, how many lawns will he need to mow to earn the money?
- 8) Isabel had eight hundred fifty-eight songs on her mp3 player. If she wanted to put the songs equally into forty-eight different playlists, how many songs would she have left over?
- 9) An industrial machine can make four hundred seventy-nine crayons a day. If each box of crayons has thirty-seven crayons in it, how many full boxes does the machine make a day?
- 10) A vase can hold sixteen flowers. If a florist had five hundred forty-two flowers she wanted to put equally into vases, how many flowers would be in the last vase that isn't full?

Answers

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Solve each problem.

Answers

1) A restaurant needs to buy two hundred forty-two new plates. If each box has thirty plates in it, how many boxes will they need to buy?	$242 \div 30 = 8 \text{ r}2$	1. <u>9</u>
2) A recycling company had four hundred twenty-four pounds of material to sort. To make it easier they split them into boxes with each full box having nineteen pounds, how many full boxes did they have?	$424 \div 19 = 22 \text{ r}6$	2. <u>22</u>
3) An art museum had six hundred nineteen pictures to split equally into thirty-nine different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?	$619 \div 39 = 15 \text{ r}34$	3. <u>5</u>
4) Roger's dad bought three hundred nineteen meters of string. If he wanted to cut the string into pieces with each piece being forty-nine meters long, how many full sized pieces could he make?	$319 \div 49 = 6 \text{ r}25$	4. <u>6</u>
5) Will has to sell four hundred fifty-five chocolate bars to win a trip. If each box contains forty-two chocolate bars, how many boxes will he need to sell to win the trip?	$455 \div 42 = 10 \text{ r}35$	5. <u>11</u>
6) A school had six hundred sixty students sign up for the trivia teams. If they wanted to have forty-seven team, with the same number of students on each team, how many more students would need to sign up?	$660 \div 47 = 14 \text{ r}2$	6. <u>45</u>
7) Mike is trying to earn two hundred eighteen dollars for some new toys. If he charges forty-eight dollars to mow a lawn, how many lawns will he need to mow to earn the money?	$218 \div 48 = 4 \text{ r}26$	7. <u>5</u>
8) Isabel had eight hundred fifty-eight songs on her mp3 player. If she wanted to put the songs equally into forty-eight different playlists, how many songs would she have left over?	$858 \div 48 = 17 \text{ r}42$	8. <u>42</u>
9) An industrial machine can make four hundred seventy-nine crayons a day. If each box of crayons has thirty-seven crayons in it, how many full boxes does the machine make a day?	$479 \div 37 = 12 \text{ r}35$	9. <u>12</u>
10) A vase can hold sixteen flowers. If a florist had five hundred forty-two flowers she wanted to put equally into vases, how many flowers would be in the last vase that isn't full?	$542 \div 16 = 33 \text{ r}14$	10. <u>14</u>



Solve each problem.

Answers

9	12	5	6	14
5	45	22	42	11

- 1) A restaurant needs to buy 242 new plates. If each box has 30 plates in it, how many boxes will they need to buy?
- 2) A recycling company had 424 pounds of material to sort. To make it easier they split them into boxes with each full box having 19 pounds, how many full boxes did they have?
- 3) An art museum had 619 pictures to split equally into 39 different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?
- 4) Roger's dad bought 319 meters of string. If he wanted to cut the string into pieces with each piece being 49 meters long, how many full sized pieces could he make?
- 5) Will has to sell 455 chocolate bars to win a trip. If each box contains 42 chocolate bars, how many boxes will he need to sell to win the trip?
- 6) A school had 660 students sign up for the trivia teams. If they wanted to have 47 team, with the same number of students on each team, how many more students would need to sign up?
- 7) Mike is trying to earn 218 dollars for some new toys. If he charges 48 dollars to mow a lawn, how many lawns will he need to mow to earn the money?
- 8) Isabel had 858 songs on her mp3 player. If she wanted to put the songs equally into 48 different playlists, how many songs would she have left over?
- 9) An industrial machine can make 479 crayons a day. If each box of crayons has 37 crayons in it, how many full boxes does the machine make a day?
- 10) A vase can hold 16 flowers. If a florist had 542 flowers she wanted to put equally into vases, how many flowers would be in the last vase that isn't full?

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