

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

- 1) A movie theater needed one hundred eighty-two popcorn buckets. If each package has eleven buckets in it, how many packages will they need to buy?
- 2) Olivia had seven hundred eighty-five songs on her mp3 player. If she wanted to put the songs equally into thirty-three different playlists, how many songs would she have left over?
- 3) A box of computer paper has eight hundred thirty-one sheets left in it. If each printer in a computer lab needed twelve sheets how many printers would the box fill up?
- 4) Emily had saved up seven hundred thirty-two quarters and decided to spend them on sodas. If it costs forty-seven quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?
- 5) A machine in a candy company creates three hundred twenty-three pieces of candy a minute. If a small box of candy has thirteen pieces in it how many full boxes does the machine make in a minute?
- 6) Maria had four hundred sixty-one photos to put into a photo album. If each page holds thirty-five photos, how many full pages will she have?
- 7) Dave bought eight hundred fifty-one pieces of candy to give to twenty-seven of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?
- 8) Faye had eight hundred eight pennies. She wanted to place the pennies into thirty stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
- 9) There are six hundred twenty-one students going to a trivia competition. If each school van can hold twenty-eight students, how many vans will they need?
- 10) A school had six hundred fifty-four students sign up for the trivia teams. If they wanted to have seventeen team, with the same number of students on each team, how many more students would need to sign up?

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Solve each problem.

		<u>Answers</u>
1) A movie theater needed one hundred eighty-two popcorn buckets. If each package has eleven buckets in it, how many packages will they need to buy?	$182 \div 11 = 16 \text{ r}6$	1. <u>17</u>
2) Olivia had seven hundred eighty-five songs on her mp3 player. If she wanted to put the songs equally into thirty-three different playlists, how many songs would she have left over?	$785 \div 33 = 23 \text{ r}26$	2. <u>26</u> 3. <u>69</u>
3) A box of computer paper has eight hundred thirty-one sheets left in it. If each printer in a computer lab needed twelve sheets how many printers would the box fill up?	$831 \div 12 = 69 \text{ r}3$	4. <u>20</u> 5. <u>24</u>
4) Emily had saved up seven hundred thirty-two quarters and decided to spend them on sodas. If it costs forty-seven quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?	$732 \div 47 = 15 \text{ r}27$	6. <u>13</u> 7. <u>14</u>
5) A machine in a candy company creates three hundred twenty-three pieces of candy a minute. If a small box of candy has thirteen pieces in it how many full boxes does the machine make in a minute?	$323 \div 13 = 24 \text{ r}11$	8. <u>2</u> 9. <u>23</u>
6) Maria had four hundred sixty-one photos to put into a photo album. If each page holds thirty-five photos, how many full pages will she have?	$461 \div 35 = 13 \text{ r}6$	10. <u>9</u>
7) Dave bought eight hundred fifty-one pieces of candy to give to twenty-seven of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?	$851 \div 27 = 31 \text{ r}14$	
8) Faye had eight hundred eight pennies. She wanted to place the pennies into thirty stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?	$808 \div 30 = 26 \text{ r}28$	
9) There are six hundred twenty-one students going to a trivia competition. If each school van can hold twenty-eight students, how many vans will they need?	$621 \div 28 = 22 \text{ r}5$	
10) A school had six hundred fifty-four students sign up for the trivia teams. If they wanted to have seventeen team, with the same number of students on each team, how many more students would need to sign up?	$654 \div 17 = 38 \text{ r}8$	



Solve each problem.

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9	20	14	69	2

**Answers**

- 1) A movie theater needed 182 popcorn buckets. If each package has 11 buckets in it, how many packages will they need to buy?
- 2) Olivia had 785 songs on her mp3 player. If she wanted to put the songs equally into 33 different playlists, how many songs would she have left over?
- 3) A box of computer paper has 831 sheets left in it. If each printer in a computer lab needed 12 sheets how many printers would the box fill up?
- 4) Emily had saved up 732 quarters and decided to spend them on sodas. If it costs 47 quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?
- 5) A machine in a candy company creates 323 pieces of candy a minute. If a small box of candy has 13 pieces in it how many full boxes does the machine make in a minute?
- 6) Maria had 461 photos to put into a photo album. If each page holds 35 photos, how many full pages will she have?
- 7) Dave bought 851 pieces of candy to give to 27 of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?
- 8) Faye had 808 pennies. She wanted to place the pennies into 30 stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
- 9) There are 621 students going to a trivia competition. If each school van can hold 28 students, how many vans will they need?
- 10) A school had 654 students sign up for the trivia teams. If they wanted to have 17 team, with the same number of students on each team, how many more students would need to sign up?

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