

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

- 1) A movie store had eight hundred fifty movies they were putting on forty-eight shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?
- 2) There are nine hundred eleven students going to a trivia competition. If each school van can hold thirty-eight students, how many vans will they need?
- 3) A baker had thirteen boxes for donuts. He ended up making six hundred sixty-one donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?
- 4) A clown needed four hundred thirty-six balloons for a party he was going to, but the balloons only came in packs of twenty-one. How many packs of balloons would he need to buy?
- 5) Adam was trying to beat his old score of one hundred eighty points in a video game. If he scores exactly thirty-five points each round, how many rounds would he need to play to beat his old score?
- 6) Olivia had five hundred twenty-three songs on her mp3 player. If she wanted to put the songs equally into forty-four different playlists, how many songs would she have left over?
- 7) Maria had eight hundred fifty-six pennies. She wanted to place the pennies into ten stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
- 8) A box can hold fourteen brownies. If a baker made five hundred thirty-seven brownies, how many full boxes of brownies did he make?
- 9) It takes thirty-one grams of plastic to make a ruler. If a company had seven hundred eighty-six grams of plastic, how many entire rulers could they make?
- 10) Haley had saved up three hundred three quarters and decided to spend them on sodas. If it costs forty quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?

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

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- 1) A movie store had eight hundred fifty movies they were putting on forty-eight shelves. If the owner wanted to make sure each shelf had the same number of movies how many more movies would he need?
 $850\div 48 = 17 \text{ r}34$
- 2) There are nine hundred eleven students going to a trivia competition. If each school van can hold thirty-eight students, how many vans will they need?
 $911\div 38 = 23 \text{ r}37$
- 3) A baker had thirteen boxes for donuts. He ended up making six hundred sixty-one donuts and splitting them evenly between the boxes. How many extra donuts did he end up with?
 $661\div 13 = 50 \text{ r}11$
- 4) A clown needed four hundred thirty-six balloons for a party he was going to, but the balloons only came in packs of twenty-one. How many packs of balloons would he need to buy?
 $436\div 21 = 20 \text{ r}16$
- 5) Adam was trying to beat his old score of one hundred eighty points in a video game. If he scores exactly thirty-five points each round, how many rounds would he need to play to beat his old score?
 $180\div 35 = 5 \text{ r}5$
- 6) Olivia had five hundred twenty-three songs on her mp3 player. If she wanted to put the songs equally into forty-four different playlists, how many songs would she have left over?
 $523\div 44 = 11 \text{ r}39$
- 7) Maria had eight hundred fifty-six pennies. She wanted to place the pennies into ten stacks, with the same amount in each stack. How many more pennies would she need so all the stacks would be equal?
 $856\div 10 = 85 \text{ r}6$
- 8) A box can hold fourteen brownies. If a baker made five hundred thirty-seven brownies, how many full boxes of brownies did he make?
 $537\div 14 = 38 \text{ r}5$
- 9) It takes thirty-one grams of plastic to make a ruler. If a company had seven hundred eighty-six grams of plastic, how many entire rulers could they make?
 $786\div 31 = 25 \text{ r}11$
- 10) Haley had saved up three hundred three quarters and decided to spend them on sodas. If it costs forty quarters for each soda from a soda machine, how many more quarters would she need to buy the final soda?
 $303\div 40 = 7 \text{ r}23$

Answers

1. **14**
2. **24**
3. **11**
4. **21**
5. **6**
6. **39**
7. **4**
8. **38**
9. **25**
10. **17**