Solve each problem.

1) At the carnival, twenty-five friends bought eight hundred thirty-eight tickets. If they wanted to split all the tickets so each person got the same amount, how many more tickets would they need to buy?

2) A vase can hold forty-eight flowers. If a florist had seven hundred sixty-one flowers she wanted to put equally into vases, how many flowers would be in the last vase that isn't full?

3) A container can hold forty-six orange slices. If a company had four hundred twenty orange slices to put into containers, how many more slices would they need to fill up the last container?

4) A food company has nine hundred thirty-six kilograms of food to put into boxes. If each box gets exactly forty-six kilograms, how many full boxes will they have?

5) A vat of orange juice was six hundred six pints. If you wanted to pour the vat into thirty-three glasses with the same amount in each glass, how many pints would be in each glass?

6) Haley had saved up six hundred forty-eight dimes and decided to spend them on sodas. If it costs twenty-one dimes for each soda from a soda machine, how many more dimes would she need to buy the final soda?

7) Dave bought one hundred seventy-eight pieces of candy to give to twenty-two of his friends. If he wants to give each friend the same amount, how many pieces would he have left over?

8) A new video game console needs thirty computer chips. If a machine can create six hundred fifty-seven computer chips a day, how many video game consoles can be created in a day?

9) A pizza store had five hundred sixty-nine pieces of pepperoni to put on their pizzas. If each pizza got thirty-one pieces, how many extra pieces of pepperoni would they have?

10) A builder needed to buy nine hundred forty-five nails for his latest project. If the nails he needs come in boxes of forty-two, how many boxes will he need to buy?
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At $838 \div 25 = 33 \text{ r}13$

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761 $\div 48 = 15 \text{ r}41$

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420 $\div 46 = 9 \text{ r}6$

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$936 \div 46 = 20 \text{ r}16$

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$606 \div 33 = 18 \text{ r}12$

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$648 \div 21 = 30 \text{ r}18$

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$178 \div 22 = 8 \text{ r}2$

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$657 \div 30 = 21 \text{ r}27$

9) A pizza store had five hundred sixty-nine pieces of pepperoni to put on their pizzas. If each pizza got thirty-one pieces, how many extra pieces of pepperoni would they have?

$569 \div 31 = 18 \text{ r}11$

10) A builder needed to buy nine hundred forty-five nails for his latest project. If the nails he needs come in boxes of forty-two, how many boxes will he need to buy?

$945 \div 42 = 22 \text{ r}21$
Solve each problem.

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