Solve each problem.

1) Frank had three hundred ninety-five marbles he's putting into bags with twenty-two in each bag. How many marbles will he have in the bag that isn't full?

$$395 \div 22 = 17 \text{ r } 21$$

2) Each house a carpenter builds needs twenty-five electric sockets. If he bought nine hundred eighty sockets, how many houses would that cover?

$$980 \div 25 = 39 \text{ r } 5$$

3) Sam had seven hundred thirty-four pieces of candy. If he wants to split the candy into forty-five bags with the same amount of candy in each bag, how many more pieces would he need so that each bag had the same amount?

$$734 \div 45 = 16 \text{ r } 14$$

4) Victor has to sell five hundred seventy-two chocolate bars to win a trip. If each box contains twenty-eight chocolate bars, how many boxes will he need to sell to win the trip?

$$572 \div 28 = 20 \text{ r } 12$$

5) It takes nineteen grams of plastic to make a ruler. If a company had six hundred seventy-five grams of plastic, how many entire rulers could they make?

$$675 \div 19 = 35 \text{ r } 10$$

6) Carol is making bead necklaces. She wants to use four hundred four beads to make forty-six necklaces. If she wants each necklace to have the same number of beads, how many beads will she have left over?

$$404 \div 46 = 8 \text{ r } 36$$

7) A restaurant needs to buy one hundred seventy-six new plates. If each box has seventeen plates in it, how many boxes will they need to buy?

$$176 \div 17 = 10 \text{ r } 6$$

8) A builder needed to buy three hundred twenty-four nails for his latest project. If the nails he needs come in boxes of thirty-two, how many boxes will he need to buy?

$$324 \div 32 = 10 \text{ r } 4$$

9) An art museum had one hundred eighty-six pictures to split equally into forty-nine different exhibits. How many more pictures would they need to make sure each exhibit had the same amount?

$$186 \div 49 = 3 \text{ r } 39$$

10) A coat factory had two hundred eighty-two coats. If they wanted to put them into forty-nine boxes, with the same number of coats in each box, how many extra coats would they have left over?

$$282 \div 49 = 5 \text{ r } 37$$

Answers

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

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Solve each problem.

1) Frank had three hundred ninety-five marbles he's putting into bags with twenty-two in each bag. How many marbles will he have in the bag that isn't full?

395 ÷ 22 = 17 r21

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