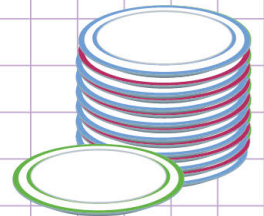


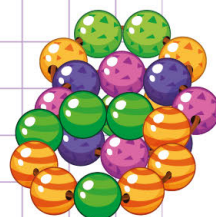
Name: Class:

Multi-step-word problems involving remainders.

1. John works in a plastic plates factory. He is in charge of stacking plates and sealing them. He usually stack 15 plates each and seal them in one box. Yesterday, 52 plates were left unstacked. Today, he has additional 95 plates to stack and seal. If he joins the ones left yesterday to the ones for today, How many full stacks of plates will he seal and how many will be left over.



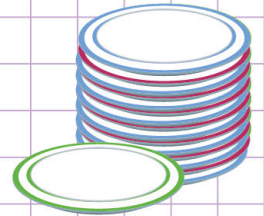
2. Mary and her friends want to play a marble game. In Mary's marble collection, she has 17 white marbles, 72 green marbles, 35 yellow marbles, and 63 blue marbles. If Mary divides these marbles evenly between her and her four friends, how many marbles will each of them get? How many marbles will be left?



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Let's first of all write down the information given.

Number of plates in each stack = 15

Number of plates left yesterday = 52

Number of plates today = 95

Total number of plates to stack = $95 + 52 = 147$

Now, let's find the number of plates he'll stack and seal by dividing the total number of plates by the number of plates in each stack.

$$147 \div 15 = 9 \text{ R } 12$$

2. Mary and her friends want to play a marble game. In Mary's marble collection, she has 17 white marbles, 72 green marbles, 35 yellow marbles, and 63 blue marbles. If Mary divides these marbles evenly between her and her four friends, how many marbles will each of them get? How many marbles will be left?

Let's first of all find the total number of marbles mary has.

$$17 + 72 + 35 + 63 = 187 \text{ marbles}$$

Now, to find the number of marbles each of them will get,

let's divide the total number of marbles by the total number of people

$$187 \div 5 = 37 \text{ R } 2$$

So, each of them will get 37 marbles.

Since theres a remainder of 2 it implies that, 2 marbles were left.

