Solve the following problems. Use the RDW process.

1. There are 19 identical socks. How many pairs of socks are there? Will there be any socks without a match? If so, how many? $19 \div 2$

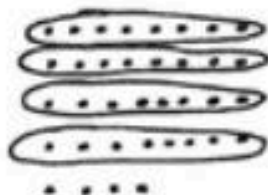   The quotient is 9 and the remainder is 1.

   There are 9 pairs of socks.
   There will be one sock without a match.

2. If it takes 8 inches of ribbon to make a bow, how many bows can be made from 3 feet of ribbon (1 foot = 12 inches)? Will any ribbon be left over? If so, how much?   The quotient is 4 and the remainder is 4.
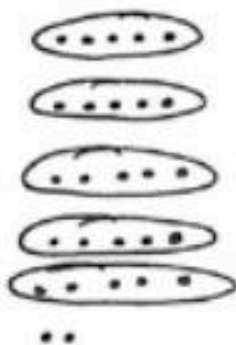
   3 feet = 36 inches $36 \div 8$

   4 bows can be made from 3 feet of ribbon.
   There will be 4 inches of ribbon left over

3. The library has 27 chairs and 5 tables. If the same number of chairs is placed at each table, how many chairs can be placed at each table? Will there be any extra chairs? If so, how many?

   $27 \div 5$ The quotient is 5 and the remainder is 2.

   5 chairs can be placed at each table.
   There will be 2 extra chairs.

4. The baker has 42 kilograms of flour. She uses 8 kilograms each day. After how many days will she need to buy more flour?
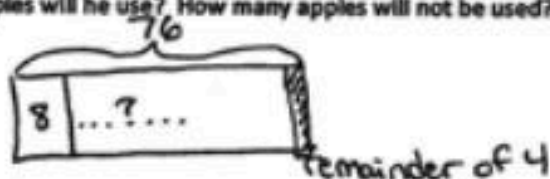
42

8 | ...?...
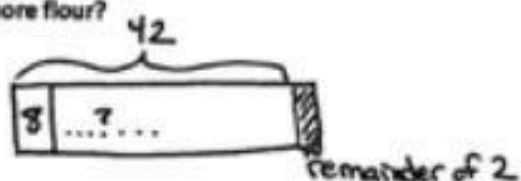
remainder of 2

8, 16, 24, 32, 40, 48

$42 \div 8$

The quotient is 5 and the remainder is 2.

The baker will need to buy flour after 5 days.

5. Caleb has 76 apples. He wants to bake as many pies as he can. If it takes 8 apples to make each pie, how many apples will he use? How many apples will not be used?
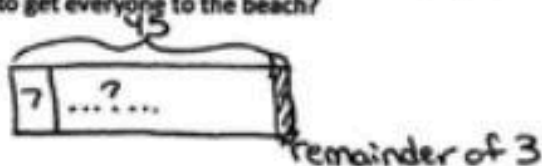
76

8 | ...?...

remainder of 4

8, 16, 24, 32, 40, 48, 56, 72

$76 \div 8$

The quotient is 9 and the remainder is 4.

Caleb will use 72 apples. 4 apples will not be used.

6. Forty-five people are going to the beach. Seven people can ride in each van. How many vans will be required to get everyone to the beach?

need 1 more van

45

7 | ...?...

remainder of 3

7, 14, 21, 28, 35, 42, 49

$45 \div 7$

The quotient is 6 and the remainder is 3.

7 vans will be required to get everyone to the beach.