Step 4: The number in the center part of the Venn is
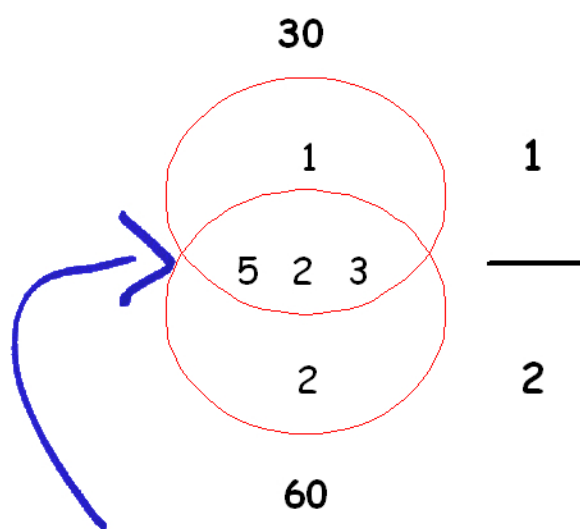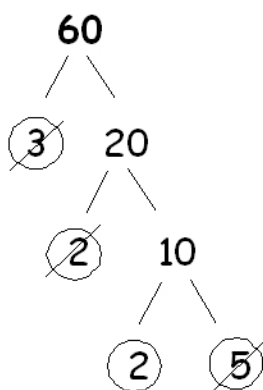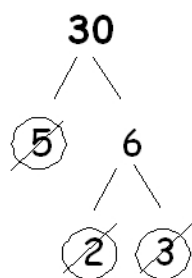
15

5   5

3

2   3   6

18
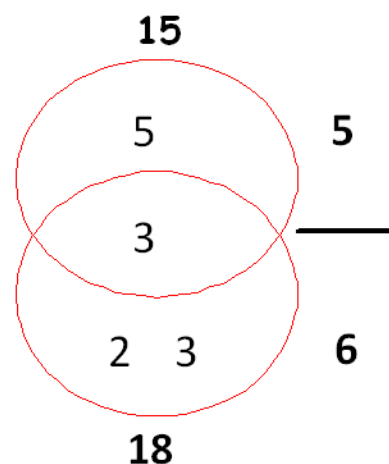
the Greatest Common Factor (GCF). The number(s) in the top part of the Venn, when multiplied together, is the reduced numerator. The number(s) in the bottom part of the Venn, when multiplied together, is the reduced denominator.

So, the reduced form of $\dfrac{15}{18} = \dfrac{5}{6}$

How easy is that?

Now try this one!

Example 2: Reduce $\dfrac{30}{60}$ lowest terms.

30

30   60

5   6   3   20

2   3   2   10

                                      2   5

1   1

5   2   3

2   2

60

If all of the prime factors are crossed out for one of the numbers, you need to write a "1" in that part of the Venn Diagram.

The GCF of 30 and 60 is   or 30.