**Maths Learning Intention - To simplify fractions and solve word problems**

**First, write these fractions in their simplest form:**

8/10 = \_\_\_\_\_ 3/15 = \_\_\_\_\_ 16/20 = \_\_\_\_\_ 18/30 = \_\_\_\_\_ 9/27 = \_\_\_\_\_

12/48 = \_\_\_\_\_ 6/9 = \_\_\_\_\_ 8/24 = \_\_\_\_\_ 15/95 = \_\_\_\_\_ 14/56 = \_\_\_\_\_

**Now, answer these word problems. Write your answer as a fraction in its simplest form.**

1. There are 30 children in the class. 12 like chess best, 18 like tennis and 4 like ping pong. The rest like football.

a. What fraction like football?

b. What fraction like chess best?

2. Tyler has 20 tennis balls. 14 are red and 6 are yellow.

a. If Tyler loses half the red balls, what fraction of his tennis balls are yellow?

b. If Tyler is given 8 blue balls and finds the lost balls, what fraction are not red?

3. John like growing roses. He plants 30 bushes. 8 of them are red flowering roses, 14 of them are climbers. The rest are thorn less. What fraction are thorn less?

4. There are 12 sweets in a bag and 4 are lemon flavoured. The rest are strawberry. George eats 2 of the lemon flavoured sweets. What fraction are now strawberry flavoured?

5. Lizzy owns 3 white hens, 4 brown hens and 5 black hens. What fraction of her hens are not white?

6. Jane has 20 cupcakes to sell at school. Harry eats 7. Ben buys 9 and takes them home. What fraction of the cupcakes does Jane have left?