

INSTRUCTIONS: Day 2 – 7 July

1. The work today is **revision** on Fractions of Numbers as well as a worksheet based loosely on Prem Maths.
2. The worksheet called Working with fractions and finding whole numbers has been included because the questions on finding whole number are typical **PROBLEM-SOLVING** questions. The girls know how to work out finding the fraction of a whole number, but NOT finding the whole number.
3. When finding the fraction, the girls first work out what the UNIT fraction is i.e.

What is  $\frac{2}{5}$  of 15? To find this answer, one would first divide by the denominator to find out what  $\frac{1}{5}$  is.

Then one multiplies by the numerator to see how many 2 groups would equal.

$$15 \div 5 = 3 \text{ (3 in one group)}$$

$$\text{and } 3 \times 2 = 6 \text{ (3 in a group } \times \text{ 2 groups = 6)}$$

When working out the **whole number**, one is told what the unit fraction is, so one simply has to multiply the whole number of the unit fraction by the denominator i.e.

12 is  $\frac{1}{8}$  of what number? **IT IS THE WORDING WHICH OFTEN CONFUSES THE GIRLS**

Here one is told what  $\frac{1}{8}$  equals, so a whole i.e.  $\frac{8}{8} = 12 \times 8 = 96$

(REMEMBER:  $\frac{1}{8} = 12$  therefore  $\frac{8}{8} = 12 \times 8 = 96$ ) [You want to know what 8 groups of 12 would equal]

**COMPLETE ONLY No 15 – 20** of the worksheet, Working with fractions and finding whole numbers

4. Complete the PREM MATHS worksheet no 1 to 4.