

WEEK 12 – INSTRUCTIONS

Day 1 – 6 JULY

1. **Mark** all FRACTIONS worksheet using memos from 3 July, if not done already.
2. Today's lesson is on working out **fractions of a number**. New words in these worksheets are UNIT and NON-UNIT fractions. The girls do not need to know these terms but simply put: a UNIT fraction is a fraction which has a numerator of 1, while a NON-UNIT fraction has a numerator which is greater than 1.
3. This is a very **short video** on working out fractions of a number. Please only listen until 2:40. After this, the tutor starts to explain how to work out a sum using a calculator which our girls do not need to know.
<https://www.youtube.com/watch?v=E2QvVicQcMo>
4. This is an **excellent video**, showing how to work out fractions of a number visually and then as a sum.
<https://www.youtube.com/watch?v=D4DL4UleRul>
5. Four of the worksheets are EXPLANATIONS. If your daughter understands these sums, she does not need to go through the EXPLANATION worksheets.
6. **Complete** the worksheet **Fractions-of-a-number Worksheet 9** once video has been watched.
7. **Complete the worksheet, Fractional-part-set-b (1)**. Look carefully at the denominator as this will tell you how many groups you need to divide the stars into. Then you can work out how many stars in **ONE** group, which will enable you to work out the rest of the question.
8. The worksheets that I have labelled PRACTISE ORALLY ONLY need to be done if your daughter feels that she has not quite grasped the concept.
9. **PLEASE DO NOT PRINT the extra worksheets**, unless required as revision. Most worksheets have the answers included. These **WORKSHEETS ARE NOT COMPULSORY**. The **OPTIONAL FUN WORKSHEET** is for the girls who enjoy this kind of fun worksheet **IF SO DESIRED**.
10. **If you are unable to finish this work today, please continue with it tomorrow.**

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.
 $15 \div 5 = 3$ (3 in one group)
and $3 \times 2 = 6$ (3 in a group \times 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.

Day 3 – 8 July

1. **Complete** PREM MATHS worksheet no 5 to 9.
2. **Mark** Prem Maths work.

Day 4 – 9 July

Lesson: Commutative and Associative Property of Addition and Multiplication

1. **Listen** to a FREE GRADE 5 ONLINE **VIDEOS** on the link <https://www.worksheetcloud.com/live/grade-5-online-classroom/>.
2. Go to **17 April** and click on Mathematics. Listen to the lesson on the **Commutative and Associative Property of Addition and Multiplication**. Have a pencil and paper ready because the tutor asks the students to work out sums during the lesson.
3. Complete the Work Sheet Cloud Commutative and Associative Property of Addition and Multiplication Worksheet once the video has been watched. I have downloaded this worksheet for you.
4. These are important concepts for the girls to understand.
5. If the girls have not understood these concepts today, Mr T does revise the concepts again tomorrow. He will also go over the memos with the girls during the lesson tomorrow.

Day 5 – 10 July

Lesson: Revision on Associative and Commutative Properties AND introducing the Distributive Property

1. **Listen** to a FREE GRADE 5 ONLINE **VIDEOS** on the link <https://www.worksheetcloud.com/live/grade-5-online-classroom/>.
2. Go to **20 April** and click on Mathematics. Listen to the lesson on the **Distributive Property**. Have a pencil and paper ready because the tutor asks the students to work out sums during the lesson.
3. Complete the Work Sheet Cloud Distributive Property Worksheet once the video has been watched. I have downloaded this worksheet for you.
4. There are two **OPTIONAL** worksheets for those who wish to practise a bit more.