



Provincial Department Of Education – Sabaragamuwa  
WEEKLY SCHOOL

Subject : Mathematics

Grade 7

Week : 8<sup>th</sup> of 2<sup>nd</sup> Term

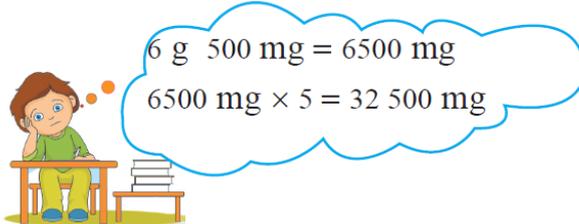
### Unit 13 – Mass(2)

➤ Complete the following activities using the textbook or other appropriate learning resources.

#### ✓ Multiplication of a mass by a whole number

##### Method I

Let us express 6 g 500 mg in milligrammes and then multiple by 5.



$$\begin{array}{r} \text{mg} \\ 6500 \\ \times 5 \\ \hline 32\ 500 \end{array}$$

$$32\ 500\ \text{mg} = 32\ \text{g}\ 500\ \text{mg}$$

##### Method II

$$\begin{array}{r} \text{g} \quad \text{mg} \\ 6 \quad 500 \\ \times 5 \\ \hline 32 \quad 500 \end{array}$$

First, let us multiply 500 mg by 5.

$$500 \times 5\ \text{mg} = 2500\ \text{mg}$$

$$2500\ \text{mg} = 2000\ \text{mg} + 500\ \text{mg} = 2\ \text{g} + 500\ \text{mg}$$

Let us write 500 mg in the milligrammes column.

Let us multiply 6 g by 5.  $6\ \text{g} \times 5 = 30\ \text{g}$

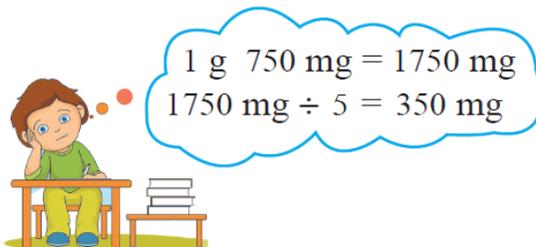
Now let us add the 2 g obtained from the multiplication done in the milligrammes column, to 30 g.

$$30\ \text{g} + 2\ \text{g} = 32\ \text{g}$$

Let us write 32 g in the grammes column.

#### ✓ Division of a mass by a whole number

Express 1 g 750 mg in milligrammes and then divide by 5.



$$\begin{array}{r} \text{mg} \\ 350 \\ 5 \overline{) 1750} \\ \underline{15} \phantom{0} \\ 25 \\ \underline{25} \\ 00 \\ 00 \\ \underline{00} \end{array}$$

➤ Complete all the exercises in the Exercise 13.4, 13.5 and 13.6