

ADDITION AND SUBTRACTION OF LENGTHS

Learning objective:

- I am able to add and subtract length in metres and centimetres

Step to success:

- Write down a column for m and a column for cm.
- Add or subtract from the centimetres first, then the metres.

LET'S REMEMBER!

When you add whole numbers you start from the **ones**

$$2396 + 123 = 2519$$

Th H T O
|
2 3 9 6
+ 1 2 3
—————
2 5 1 9

Similarly, we subtract whole numbers you start from the **ones**

$$3041 - 1111 = 1930$$

Th H T O
|
2 1 0
3 0 4 1
— 1 1 1 1
—————
1 9 3 0

For addition in length, it is the same but we start from the cm and then the m.

We regroup to m because we know $100\text{cm} = 1\text{m}$

$$\begin{array}{r} \text{m} \quad \text{cm} \\ \text{2} \text{1} \quad 8 \text{2} \\ + \text{5} \quad 4 \text{5} \\ \hline \text{2} \text{7} \quad 4 \text{7} \end{array} \quad \begin{array}{l} 5 \text{ m } 45 \text{ cm} + 21 \text{ m } 82 \text{ cm} \\ = 27 \text{ m } 47 \text{ cm} \end{array}$$

Similar for subtraction in length, start from the cm and then the m

We regroup to m because we know $1\text{m} = 100\text{ cm}$

$$\begin{array}{r} \text{m} \quad 13 \text{ cm} \\ \text{1} \text{5} \quad 4 \text{3} \\ - \text{9} \quad 6 \text{8} \\ \hline \text{5} \quad 7 \text{5} \end{array} \quad \begin{array}{l} 15 \text{ m } 43 \text{ cm} - 9 \text{ m } 68 \text{ cm} \\ = 5 \text{ m } 75 \text{ cm} \end{array}$$

Name: _____

Date: _____

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ADDITION OF LENGTHS

1 m cm

$$\begin{array}{r}
 12 \quad 40 \\
 + 18 \quad 10 \\
 \hline
 \end{array}$$

2 m cm

$$\begin{array}{r}
 15 \quad 20 \\
 + 11 \quad 15 \\
 \hline
 \end{array}$$

3 m cm

$$\begin{array}{r}
 10 \quad 54 \\
 + 49 \quad 69 \\
 \hline
 \end{array}$$

SUBTRACTION OF LENGTHS

1 m cm

$$\begin{array}{r}
 14 \quad 39 \\
 - 3 \quad 14 \\
 \hline
 \end{array}$$

2 m cm

$$\begin{array}{r}
 23 \quad 75 \\
 - 12 \quad 62 \\
 \hline
 \end{array}$$

3 m cm

$$\begin{array}{r}
 8 \quad 15 \\
 - 3 \quad 20 \\
 \hline
 \end{array}$$

Notes: You can do your working on a separate paper for students doing online