

Math Rules for sig. figs.

- When multiplying & dividing, answers **must** be rounded

so that **they** have no more sig figs than the factor with the least.

When adding or subtracting

Round the answer to the
least precise place.

$$\begin{array}{r} 2.6743 \\ 2.7 \\ \hline \end{array}$$

$$\begin{array}{r} 10.67 \\ 3.8 \\ \hline 14.47 \\ 14.5 \end{array}$$

$$\begin{array}{r} 3.8764 \\ .29 \\ \hline 4.1664 \\ 4.17 \end{array}$$

Sig fig math rules

When \times or \div round answer
to match the factor with
the least sig figs

ie. $15.4 \times 8.369 = 128.8826$
3 SF 4 SF = 129
3 sig figs.

$$15.8 \times 4 = 63.2$$

3 SF 1 SF = 60
1 SF

$$8.697 \cdot 3.48765 = 30.33209205$$

4 6 = 30.33

When adding + subtracting ¹2 numbers (or more)
round the answer to the
least precise place.

i.p.

$$\begin{array}{r} 15.4698 \\ 2.2 \\ \hline 17.6698 \\ 17.7 \end{array}$$