

Method help sheet

Long division

$$15 \overline{) 3640}$$

$$\begin{array}{r} 2 \\ 15 \overline{) 3640} \\ - 30 \\ \hline 6 \end{array}$$

15 into 3 doesn't go, so look at the next digit.

15 goes into 36 two times, so put a 2 above the 6.
 $15 \times 2 = 30$

Take that 30 away from the 36 to get your remainder.
 $36 - 30 = 6$

$$\begin{array}{r} 24 \\ 15 \overline{) 3640} \\ - 30 \\ \hline 64 \\ - 60 \\ \hline 4 \end{array}$$

Next, carry the 4 down to make 64.
15 goes into 64 four times, so put a 4 above the 4.
 $15 \times 4 = 60$

Take 60 from the 64 to get your remainder.
 $64 - 60 = 4$

$$\begin{array}{r} 242 \\ 15 \overline{) 3640} \\ - 30 \\ \hline 64 \\ - 60 \\ \hline 40 \\ - 30 \\ \hline 10 \end{array}$$

Carry the 0 down to make 40.

15 goes into 40 two times, so put a 2 above the 0.
 $15 \times 2 = 30$

Take 30 from the 40 to get your remainder.
 $40 - 30 = 10$