

## Short Division Method

$$362 \div 7 =$$

$$\begin{array}{r} 51 \text{ r}5 \\ 7 \overline{) 362} \\ \underline{35} \phantom{2} \\ 12 \\ \underline{14} \\ 2 \end{array}$$

$$362 \div 7 = 51 \text{ r}5$$

$$547 \div 23 =$$

$$\begin{array}{r} 23 \text{ r}18 \\ 23 \overline{) 547} \\ \underline{46} \phantom{7} \\ 87 \\ \underline{86} \\ 17 \end{array}$$

$$547 \div 23 = 23 \text{ r}18$$

## Long Division Method

$$15 \overline{) 3640}$$

$$\begin{array}{r} 2 \\ 15 \overline{) 3640} \\ \underline{-30} \phantom{0} \\ 6 \phantom{0} \end{array}$$

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.  
 $36 - 30 = 6$

$$\begin{array}{r} 24 \\ 15 \overline{) 3640} \\ \underline{-30} \phantom{0} \\ 64 \\ \underline{-60} \\ 4 \end{array}$$

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.  
 $64 - 60 = 4$

$$\begin{array}{r} 242 \\ 15 \overline{) 3640} \\ \underline{-30} \phantom{0} \\ 64 \phantom{0} \\ \underline{-60} \phantom{0} \\ 40 \\ \underline{-30} \\ 10 \end{array}$$

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.  
 $40 - 30 = 10$