

# How to add octal numbers

①

$$\begin{array}{r}
 463 \\
 + 52 \\
 \hline
 \end{array}
 \rightarrow
 \begin{array}{r}
 463 \\
 + 52 \\
 \hline
 5
 \end{array}
 \rightarrow
 \begin{array}{r}
 \overset{1}{4}63 \\
 + 52 \\
 \hline
 35
 \end{array}$$

$6+5=11$   
 How many groups of 8 can be pulled out of 11? 1  
 What is leftover? 3

$$\begin{array}{r}
 \overset{1}{4}63 \\
 + 52 \\
 \hline
 535
 \end{array}$$

②

$$\begin{array}{r}
 \overset{2}{7}77 \\
 + 52 \\
 + 7 \\
 \hline
 0
 \end{array}$$

$7+2+7=16$   
 How many groups of 8 can be pulled out of 16? 2  
 What is leftover? 0

$$\begin{array}{r}
 \overset{1}{7}\overset{2}{7}7 \\
 + 52 \\
 + 7 \\
 \hline
 60
 \end{array}$$

$2+7+5=14$   
 How many groups of 8 can be pulled out of 14? 1  
 What is leftover? 6

$$\begin{array}{r}
 \overset{1}{7}\overset{1}{7}\overset{2}{7} \\
 + 52 \\
 + 7 \\
 \hline
 1060
 \end{array}$$

$$\begin{array}{r}
 \overset{1}{7}\overset{1}{7}\overset{2}{7} \\
 + 52 \\
 + 7 \\
 \hline
 060
 \end{array}$$

$1+7=8$   
 How many groups of 8 can be pulled out of 8? 1  
 What is leftover? 0