

Addition

476

+365

Subtraction

735

-356

Step	Language	Recording	Step	Language	Recording
Add the ones	6 ones and 5 ones are 11 ones. <i>Rename:</i> 11 ones as 1 one and 1 ten <i>Record:</i> 1 in the ones place and 1 in the tens place	$\begin{array}{r} 1 \\ 476 \\ +365 \\ \hline 1 \end{array}$	Subtract the ones	5 ones, can I takeaway 6 ones? No, <i>Rename</i> 1 ten: 2 tens and 15 ones <i>Record:</i> 15 in the ones place, 2 in the tens place. 15 ones takeaway 6 ones is 9 ones	$\begin{array}{r} 2 \\ 7\cancel{3}5 \\ -356 \\ \hline 9 \end{array}$
Add the tens	1 ten, 7 tens and 6 tens are 14 tens. <i>Rename:</i> 1 hundred and 4 tens <i>Record:</i> 1 in the hundreds place and 4 in the tens place	$\begin{array}{r} 11 \\ 476 \\ +365 \\ \hline 41 \end{array}$	Subtract the tens	2 tens, can I takeaway 5 tens? No, <i>Rename</i> 1 hundred: 6 hundreds and 12 tens <i>Record:</i> 12 in the tens place, 6 in the hundreds place 12 tens takeaway 5 tens is 7 tens	$\begin{array}{r} 6\cancel{2} \\ \cancel{7}\cancel{3}5 \\ -356 \\ \hline 79 \end{array}$
Add the hundreds	1 hundred, 4 hundreds and 3 hundreds are 8 hundreds.	$\begin{array}{r} 11 \\ 476 \\ +365 \\ \hline 841 \end{array}$	Subtract the hundreds	6 hundreds takeaway 3 hundreds is 3 hundreds <i>Record:</i> 3 in the hundreds place.	$\begin{array}{r} 6\cancel{2} \\ \cancel{7}\cancel{3}5 \\ -356 \\ \hline 379 \end{array}$

Multiplication			Division		
$\begin{array}{r} 63 \\ \times 56 \\ \hline \end{array}$			$8 \overline{)6348}$		
Step	Language	Recording	Step	Language	Recording
Multiply the ones	6 threes are 18. <i>Rename:</i> 8 ones and 1 ten <i>Record:</i> 8 in the ones place, 1 in the tens place	$\begin{array}{r} 1 \\ 63 \\ \times 56 \\ \hline 8 \end{array}$	Share the thousands	Can you share 6 thousands among 8? No <i>Rename</i> - 63 hundreds to share	$8 \overline{)6348}$
	6 by 6 tens are 36 tens and 1 ten is 37 tens. <i>Record:</i> 37 in the tens place	$\begin{array}{r} 1 \\ 63 \\ \times 56 \\ \hline 378 \end{array}$	Share the hundreds	Can you share 63 hundreds among 8? Yes 7 hundreds 56 hundreds are shared out 7 remain Can you share 7 tens among 8? No <i>Rename</i> -74 tens to share	$\begin{array}{r} 7 \\ 8 \overline{)6348} \\ \hline 5600 \\ \hline 748 \end{array}$
Multiply the tens	5 tens by 3 ones are 15 tens. <i>Rename:</i> 0 ones, 5 tens and 1 hundreds <i>Record:</i> 0 in the ones place, 5 in the tens place, 1 in the hundreds place	$\begin{array}{r} 11 \\ 63 \\ \times 56 \\ \hline 378 \\ 50 \end{array}$	Share the tens	Can you share 74 tens among 8? Yes 9 tens each 72 tens are shared out 2 tens remain Can you share 2 tens among 8? No <i>Rename:</i> 28 ones to share out	$\begin{array}{r} 79 \\ 8 \overline{)6348} \\ \hline 5600 \\ \hline 740 \\ \hline 720 \\ \hline 28 \end{array}$
	5 tens by 6 tens are 30 hundreds and 1 hundred is 31 hundreds. <i>Record:</i> 31 in the hundreds place	$\begin{array}{r} 11 \\ 63 \\ \times 56 \\ \hline 378 \\ 3150 \end{array}$	Share the ones	Can you share 28 ones among 8? Yes, 3 ones each. 24 ones are shared out 4 ones remain	$\begin{array}{r} 793r4 \\ 8 \overline{)6348} \\ \hline 5600 \\ \hline 740 \\ \hline 720 \\ \hline 28 \\ \hline 24 \\ \hline 4 \end{array}$
Add	Add 378 and 3150 using the normal addition algorithm.	$\begin{array}{r} 11 \\ 63 \\ \times 56 \\ \hline 378 \\ +3150 \\ \hline 3528 \end{array}$			