

Mathematics

Multiplication (by 1 & 2 digits)

Mult. by 1 Digit Guide

Step 1: Mult. the ones place
 Ex: $\begin{array}{r} 125 \\ \times 3 \\ \hline \end{array}$ ← Regroup if needed

Step 2: Mult. the tens column
 Ex: $\begin{array}{r} 125 \\ \times 3 \\ \hline 75 \\ \hline \end{array}$ ← Add & Regroup if needed!

Step 3: Mult. the hundreds column
 Ex: $\begin{array}{r} 125 \\ \times 3 \\ \hline 375 \\ \hline \end{array}$ ← Add & Regroup if needed

Step 4: Continue the pattern if needed!

Many **Z**oos... **M**any **A**nimals!

Multiply Zero Multiply Add

Step 1: Multiply
 Step 2: Zero (this allows us to move to the tens place)
 Step 3: Multiply
 Step 4: Add

$\begin{array}{r} 53 \\ \times 26 \\ \hline 318 \\ + 1060 \\ \hline 1,378 \end{array}$

$\begin{array}{r} 82 \\ \times 47 \\ \hline 574 \\ + 3280 \\ \hline 3,854 \end{array}$ $\begin{array}{r} 351 \\ \times 49 \\ \hline 3159 \\ + 14040 \\ \hline 17,199 \end{array}$ $\begin{array}{r} 706 \\ \times 65 \\ \hline 3530 \\ + 42360 \\ \hline 45,890 \end{array}$

Adding & Subtracting Decimals

Adding & Subtracting Decimals...

Rule 1: line 'em up! Place Value Matters!

$$\begin{array}{r} 1.4 \\ + 6.75 \\ \hline \end{array}$$
$$\begin{array}{r} 15.1 \\ - 7.95 \\ \hline \end{array}$$

Rule 2: drop it down! No decimal changes the value!

$$\begin{array}{r} 1.4 \\ + 6.75 \\ \hline \end{array}$$
$$\begin{array}{r} 15.1 \\ - 7.95 \\ \hline \end{array}$$

Rule 3: fill 'em in! Think - Does it make sense?

$$\begin{array}{r} 1.40 \\ + 6.75 \\ \hline \end{array}$$
$$\begin{array}{r} 15.10 \\ - 7.95 \\ \hline \end{array}$$

Place Value of Decimals

Whole				and	Parts		
thousands	hundreds	tens	ones	Decimal Point	tenths	hundredths	thousandths
				•			

Decimal Place Value

Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths
4	5	6	9	8	7

Ways to Write a Decimal :

- Standard Form : 456.987
- Word Form : four hundred fifty six and nine hundred eighty seven thousandths