

Long Division (Decimals)

How To Long Divide with DMSB

(DAD, MUM, SISTER, BROTHER & RELATIVES)

STEP ONE STEP TWO STEP THREE STEP FOUR

REPEAT STEPS

D = Divide **M** = Multiply **S** = Subtract **B** = Bring down STEP FIVE R = Remainders

Long Division is great for dividing big numbers without a calculator!



Complete Steps 1 to 4 normally and divide as usual. Then copy the decimal point directly into the answer (same position).



STEP FIVE

When dividing numbers with decimals, remainders (left-overs) are "tagged" to the end of the quotient as a decimal.

A remainder of $\frac{1}{2}$ or 0.5 is written by adding another 5 at the end of the answer.

OTHER EXAMPLES:

An answer of **1.5** with the remainder $\frac{1}{2}$ or 0.5 is written as: **1.55** An answer of **2.72** with the remainder $\frac{1}{4}$ or 0.25 is written as: **2.7225**



Instructions: Use long division to answer the questions below.









	6 8 5 9 3. 2		4 7 3. 3 5 2
9		10	
	5 2.9915		4 6 3 2. 2 8
11		12	



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