Long Division (Decimals)

How To Long Divide with DMSB

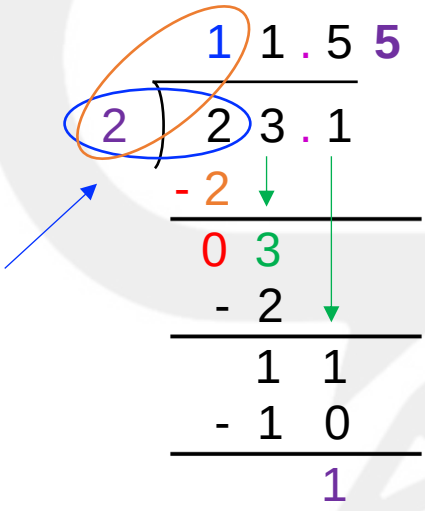
(DAD, MUM, SISTER, BROTHER & RELATIVES)

STEP ONE	**D** = Divide
STEP TWO	**M** = Multiply
STEP THREE	**S** = Subtract
STEP FOUR	**B** = Bring down
STEP FIVE	**R = Remainders**

REPEAT STEPS

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**

CLOUD TUITION
COLLABORATIVE LEARNING

M5DV4.1

Instructions: Use long division to answer the questions below.

1

$4 \overline{)\,2\;9.\;1\;8}$

2

$3 \overline{)\,3\;7.\;1\;7}$

3

$5 \overline{)\,8\;8\;8.\;4}$

4

$4 \overline{)\,3\;8.\;5\;1}$

5

$6 \overline{)\,6\;3\;1.\;2}$

6

$7 \overline{)\,1\;0\;6.\;4}$

7

$4\overline{)6\ 5\ 4.\ 2\ 5}$

8

$7\overline{)8\ 1.\ 2\ 4\ 2}$

9

$8\overline{)2.\ 8\ 7\ 7\ 6}$

10

$9\overline{)1\ 5\ 2\ 6.\ 1}$

11

$7\overline{)6.\ 4\ 1\ 9\ 7}$

12

$9\overline{)1\ 5.\ 9\ 8\ 4}$

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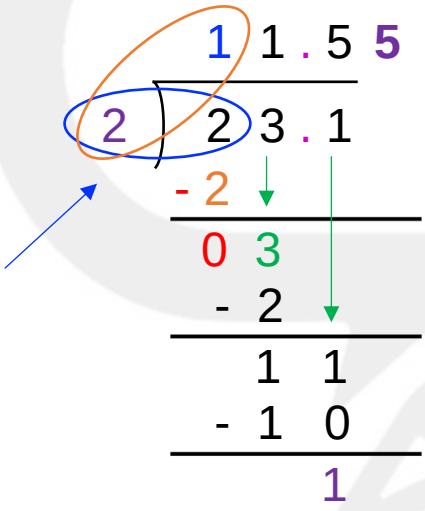

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CLOUD TUITION
COLLABORATIVE LEARNING

M5DV4.2

Instructions: Use long division to answer the questions below.

1

$4 \overline{)\,9\;4.\;7\;5}$

2

$5 \overline{)\,5\;4.\;8\;2}$

3

$6 \overline{)\,8\;9\;4.\;2}$

4

$3 \overline{)\,5.\;6\;2\;9}$

5

$6 \overline{)\,3.\;5\;4\;9}$

6

$7 \overline{)\,3\;3\;7.\;4}$

7

$8\overline{)4513.4}$

8

$9\overline{)1.1376}$

9

$9\overline{)503.28}$

10

$5\overline{)9459.9}$

11

$6\overline{)5984.6}$

12

$8\overline{)25031}$