Long Division

How To Long Divide with DMSB
(DAD, MUM, SISTER & BROTHER)

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

REPEAT THESE STEPS

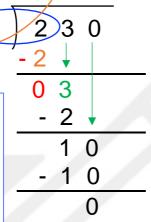Long Division is great for dividing big numbers without a calculator!

Multiply the numbers and write the answer underneath

$1 \times 2 = 2$

Divide by the asking how many times the outside number goes into the inside number?

2 into 2 = 1

Write the answer on top of the 2.

```
      1 1 5
   _____
 2 ) 2 3 0
   - 2
   _____
     0 3
   -   2
   _____
       1 0
   -   1 0
   _____
         0
```

Subtract the numbers and draw a line underneath. Write your answer at the bottom.

$1 \times 2 = 2$

Bring down the next number. Repeat steps one to four with this new "inside" number.

2 into 3 = 1

Instructions: Use long division to answer the questions below.

1

$$6 \overline{)1\ 4\ 0\ 4\ 6}$$

2

$$4 \overline{)2\ 2\ 9\ 5\ 2}$$

3

$$3 \overline{)1\ 9\ 0\ 4\ 1}$$

4

$$7 \overline{)6\ 8\ 9\ 2\ 9}$$

5.

8 | 3 6 4 0 8

6.

9 | 4 7 0 1 6

7.

6 | 5 3 2 5 6

8.

8 | 7 5 3 6 8

9

$$7 \overline{)\ 8\ 4\ 0\ 5\ 6}$$

10

$$9 \overline{)\ 9\ 8\ 2\ 6\ 2}$$

11

$$9 \overline{)\ 5\ 9\ 2\ 0\ 2}$$

12

$$8 \overline{)\ 5\ 9\ 9\ 7\ 6}$$

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$1 \times 2 = 2$

$$
\begin{array}{r}
1\;1\;5 \\
2\,\overline{)\,2\;3\;0} \\
-\,2 \\
\hline
0\;3 \\
-\,2 \\
\hline
1\;0 \\
-\,1\;0 \\
\hline
0
\end{array}
$$

Divide by the asking how many times the outside number goes into the inside number?

2 into 2 = 1

Write the answer on top of the 2.

Bring down the next number. Repeat steps one to four with this new "inside" number.

2 into 3 = 1

Instructions: Use long division to answer the questions below.

1. 4 | 2 3 7 1 2

2. 8 | 5 4 1 6 8

3. 9 | 8 0 9 9 1

4. 7 | 3 4 7 9 7

M6DV1.2

5

6 | 3 3 3 3 6

6

9 | 6 0 0 8 4

7

7 | 9 4 7 9 4

8

9 | 4 3 8 9 3

9 8 ⟌ 6 5 1 0 4

10 7 ⟌ 2 3 4 6 4

11 9 ⟌ 9 0 2 5 2

12 8 ⟌ 6 9 3 1 2