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.

$$\begin{array}{r} 11\ 5 \\ 2\,\overline{)\,2\ 3\ 0} \\ -\,2 \\ \hline 0\ 3 \\ -\ 2 \\ \hline 1\ 0 \\ -\ 1\ 0 \\ \hline 0 \end{array}$$

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

3 | 1 7 9 4

2

4 | 3 9 7 6

3

6 | 4 7 1 6

4

4 | 2 8 9 2

5

8 | 7 3 4 4

6

9 | 9 4 2 3

7. 4 | 3 8 6 3 2

8. 7 | 5 8 8 9 1

9. 6 | 2 6 1 7 2

10. 9 | 6 6 9 5 1

11. 8 | 5 9 6 7 2

12. 9 | 6 2 9 0 1

CLOUD TUITION
COLLABORATIVE LEARNING

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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.   4 | 3 1 7 2

2.   7 | 5 7 9 6

3.   8 | 3 7 0 4

4.   6 | 4 1 6 4

5.   9 | 9 7 0 2

6.   7 | 4 7 9 5

7. 8 | 3 5 9 6 8

8. 7 | 6 7 4 5 9

9. 6 | 3 2 8 5 6

10. 4 | 3 9 1 9 2

11. 9 | 9 1 2 4 2

12. 8 | 9 8 0 7 2