

Long Division (Remainders)

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!*



Multiply the numbers and write the answer underneath

$$1 \times 2 = 2$$

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

$$2 \text{ into } 2 = 1$$

Write the answer on top of the 2.

$$\begin{array}{r}
 115.5 \text{ or } \frac{1}{2} \\
 \hline
 2 \overline{) 231} \\
 \underline{- 2} \\
 03 \\
 \underline{- 2} \\
 11 \\
 \underline{- 10} \\
 1
 \end{array}$$

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.

$$2 \text{ into } 3 = 1$$

Remainders (left-overs) can be written as fractions or decimals.

$$\frac{\text{Remainder}}{\text{Outside Number}} = \frac{1}{2} = 0.5$$

The final answer is **115.5** or **115 $\frac{1}{2}$**



Instructions: Use long division to answer the questions below.

1	$4 \overline{) 5174}$	2	$8 \overline{) 7482}$
3	$6 \overline{) 5216}$	4	$5 \overline{) 8679}$
5	$7 \overline{) 6924}$	6	$3 \overline{) 2993}$



7

$$5 \overline{) 73386}$$

8

$$6 \overline{) 58711}$$

9

$$6 \overline{) 92482}$$

10

$$9 \overline{) 41352}$$

11

$$8 \overline{) 50762}$$

12

$$9 \overline{) 87321}$$

Long Division (Remainders)

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!*



Multiply the numbers and write the answer underneath

$$1 \times 2 = 2$$

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

$$2 \text{ into } 2 = 1$$

Write the answer on top of the 2.

$$\begin{array}{r}
 115.5 \text{ or } \frac{1}{2} \\
 \hline
 2 \overline{) 231} \\
 \underline{- 2} \\
 03 \\
 \underline{- 2} \\
 11 \\
 \underline{- 10} \\
 1
 \end{array}$$

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.

$$2 \text{ into } 3 = 1$$

Remainders (left-overs) can be written as fractions or decimals.

$$\frac{\text{Remainder}}{\text{Outside Number}} = \frac{1}{2} = 0.5$$

The final answer is **115.5** or **115 $\frac{1}{2}$**



Instructions: Use long division to answer the questions below.

1	$4 \overline{) 2598}$	2	$5 \overline{) 7381}$
3	$4 \overline{) 8757}$	4	$6 \overline{) 1228}$
5	$8 \overline{) 2390}$	6	$7 \overline{) 4896}$



7

$$8 \overline{) 53794}$$

8

$$9 \overline{) 11181}$$

9

$$9 \overline{) 97620}$$

10

$$6 \overline{) 73426}$$

11

$$7 \overline{) 69421}$$

12

$$8 \overline{) 95742}$$