

# Long Division

• Long division is as simple as memorizing the people in this family.



Dad	Mom Sister	Brother
	Rover	



# Step 1 in Long Division

- Dad
- Divide 2 into first number in the dividend.

1. Divide

- Think how many 2's will fit into 9.
  - Write that number directly above the number you

divided into.

How many 2's will go into 9?

# Step 2 in Long Division

 $2 \ge 4 = 8$ 

#### Mom

- Multiply the divisor times the first
  - number in the quotient.

2. Multiply

- Write your answer directly under the 9
  - or the number you
  - just divided into.

### Step 3 in Long Division

- Sister
- Draw a line under the 8.
- Write a subtraction sign next to the 8.
- Subtract 8 from 9.
- Write your answer directly below the 8.

**3.** Subtract

### Step 4 in Long Division

Brother

Go to the next number in the dividend to the right of the 9.

4. Bring

down

- Write an arrow under the 4.
- Bring the 4 down next to the 1.

# Step 5 in Long Division

- Rover
- This is where you decide whether you repeat the 5 steps of division.

5. Repeat or

Remainder

If your divisor can divide into your new number, 14, or if you have numbers in the dividend that have not been brought down, you repeat the 5 steps of division.

# Step 1 in Long Division

- Dad
- Divide 2 into your new number, 14.
- Place your answer
  - directly above the 4

1. Divide

in your quotient.

# Step 2 in Long Division

#### Mom

Multiply your divisor, 2, with your new number in the quotient, 7.

2. Multiply

#### • Place your answer

14.

directly under the

## Step 3 in Long Division

- Sister
- Draw a line under the bottom 14.

**3.** Subtract

- Draw a subtraction sign.
- Subtract & place answer under the line.

# Step 4 in Long Division

**Brother** 

- Put an arrow under
  - the next number, 7,
  - in the dividend.
- Bring the 7 down next to the 0.

4. Bring

down

### Step 5 in Long Division

Rover

 If the 2 will divide into your new number, 7, then repeat the steps of division.

5. Repeat or

Remainder

#### Step 1 in Long Division

Dad

- Divide your divisor, 2, into
  - your new number, 7.

1. Divide

Place your answer in the quotient next to the 7.

### Step 2 in Long Division

#### Mom

• Multiply your divisor, 2, by your new number in the quotient, 3.

2. Multiply

 Place your answer under the number you brought down, 7.

#### Step 3 in Long Division

Sister

- Draw a line under the number 6.
- Place your subtraction sign.

**3.** Subtract

- Subtract & put your answer
  - directly under the 6.

#### Step 4 in Long Division

#### **Brother**

Look at your dividend to see if there are any more numbers to bring down.

4. Bring

down

• If not, move to step 5.

### Step 5 in Long Division

5. Repeat or Remainder

#### Rover

- Since there are no more numbers to bring down & 2 will not divide into 1, you do not repeat the steps of division.
- The number left over, 1, becomes the remainder.



#### Credits

- Written by Monica Yuskaitis
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