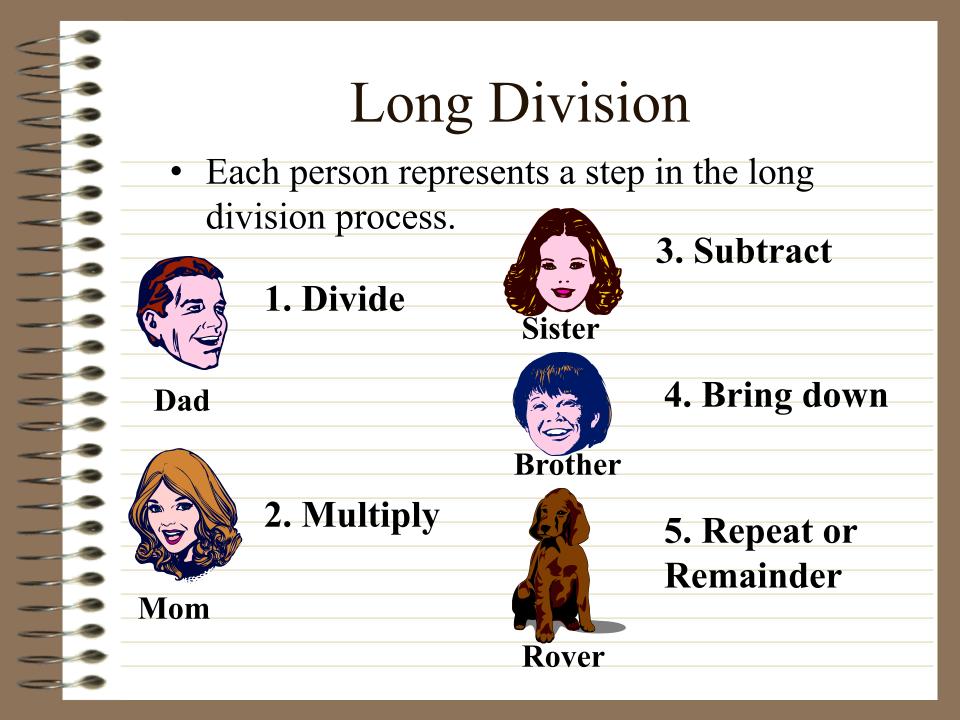


Long Division

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



Rover



Step 1 in Long Division

How many 2's

will go into 9?

- 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.

Step 2 in Long Division

 $2 \times 4 = 8$

 Multiply the divisor times the first number in the

2. Multiply

quotient.

Mom

- 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 down

- Go to the next number in the dividend to the right of the 9.
- Write an arrow under the 4.
- Bring the 4 down next to the 1.

4. Bring

Step 5 in Long Division

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

• Divide 2 into your new number, 14.

1. Divide

- Place your answer directly above the 4 in
- your quotient.

Dad

Step 2 in Long Division

Mom

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

2. Multiply

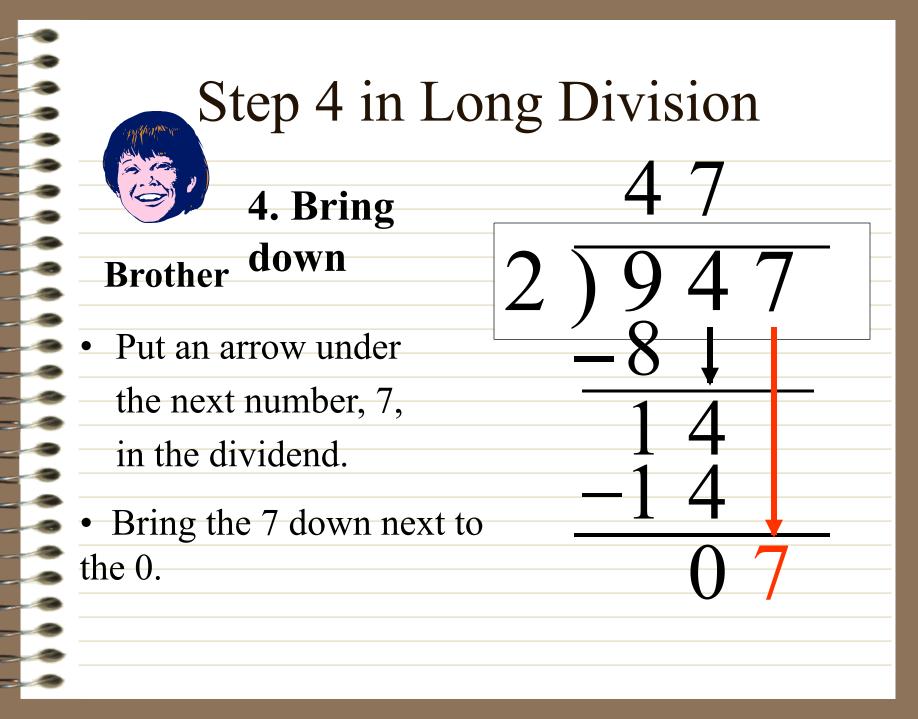
• Place your answer directly under the 14.

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 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

1. Divide

- your new number, 7.
- 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

2. Multiply

- quotient, 3.
- 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

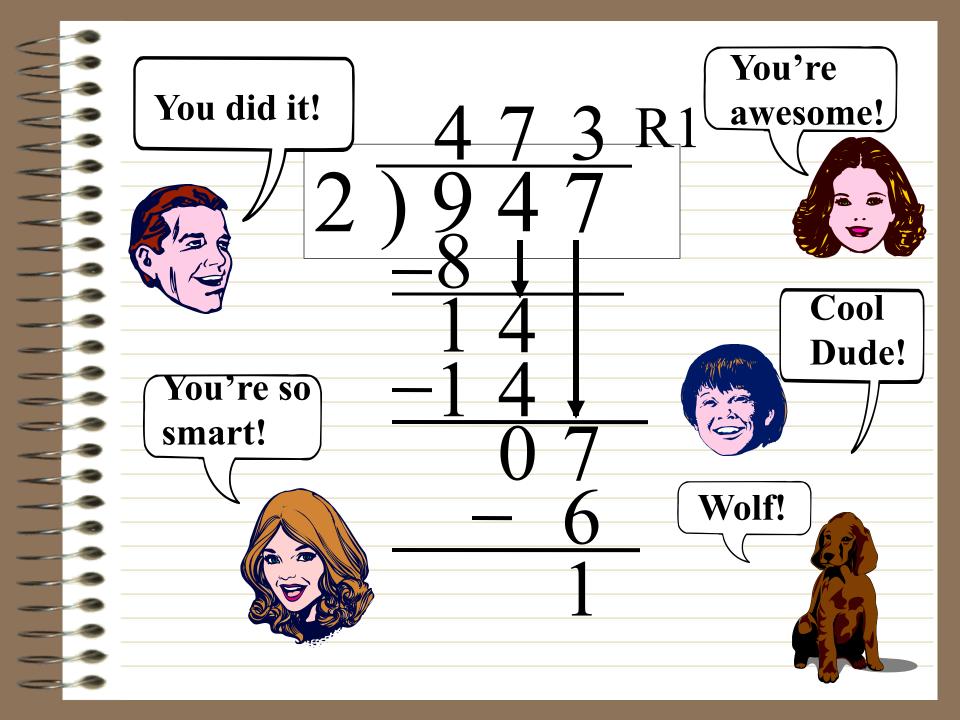
• If not, move to step 5.

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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Copying of this software must be approved by Monica Yuskaitis, Walter White Elementary, CUSD

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