LONG DIVISION











LONG DIVISION

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









Dad

Mom

Sister

Brother

Rover

LONG DIVISION

Each person represents a step in the long division process.



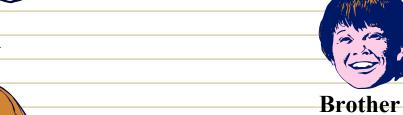
1. Divide



3. Subtract

Sister





4. Bring down



2. Multiply

Mom



5. Repeat or Remainder

STEP 1 IN LONG DIVISION

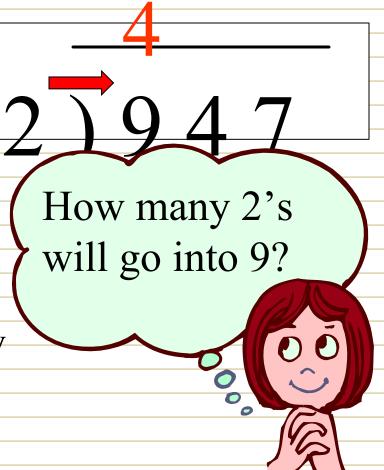


1. Divide

Dad

Divide 2 into first number in the dividend.

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



STEP 2 IN LONG DIVISION

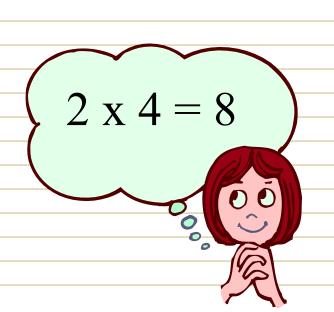


2. Multiply

Mom

Multiply the divisor times the first number in the quotient.

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



STEP 3 IN LONG DIVISION

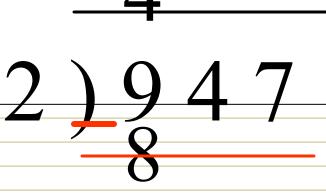


3. Subtract

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.



STEP 4 IN LONG DIVISION

4. Bring down

Brother

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

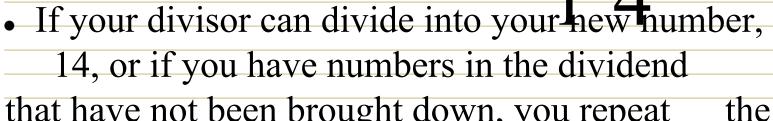
- Write an arrow under the 4.
- Bring the 4 down next to the 1.

STEP 5 IN LONG DIVISION



Rover

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



that have not been brought down, you repeat 5 steps of division.

STEP 1 IN LONG DIVISION

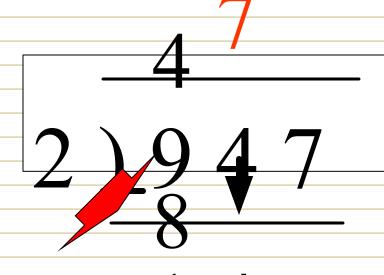


1. Divide

Dad

Divide 2 into your new number, 14.

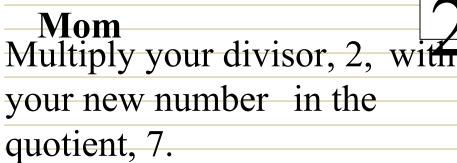
Place your answer directly above the 4 in your quotient.



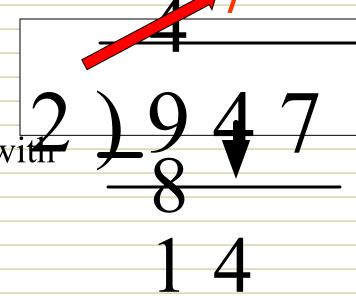
STEP 2 IN LONG DIVISION



2. Multiply



Place your answerdirectly under the 14



STEP 3 IN LONG DIVISION

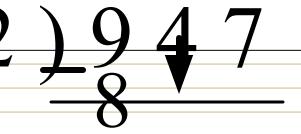


3. Subtract



Sister

Draw a line under the botton 14.



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

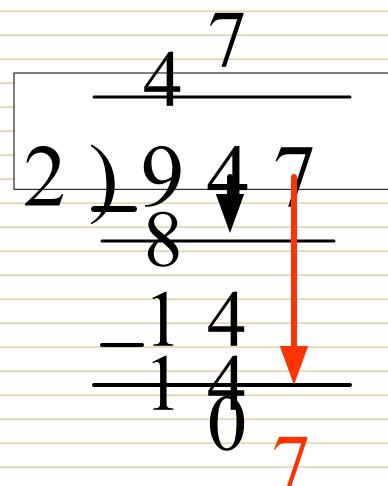


STEP 4 IN LONG DIVISION

4. Bring down

Brother

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

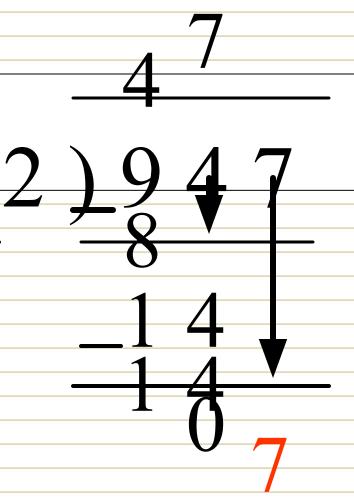


STEP 5 IN LONG DIVISION



Rover

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



STEP 1 IN LONG DIVISION

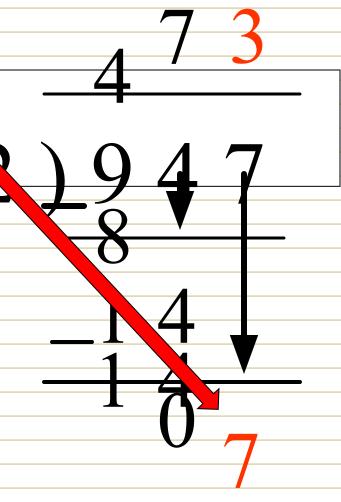


1. Divide

Dad

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

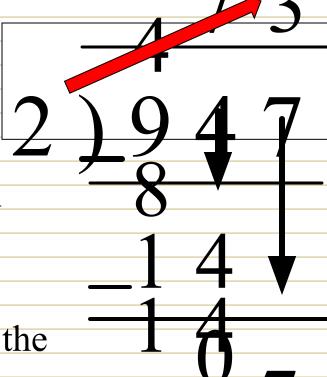
• Place your answer in the quotient next to the 7.



STEP 2 IN LONG DIVISION



2. Multiply



Mom

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

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

STEP 3 IN LONG DIVISION



3. Subtract



Sister

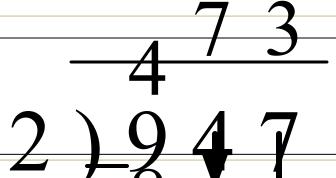
Draw a line under the number 6.

- 8 1 4 1 4
- Place your subtraction sign.
- Subtract & put your answer
 - directly under the 6.

STEP 4 IN LONG DIVISION



4. Bring down



Brother

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

1 4 v

• If not, move to step 5.

•

STEP 5 IN LONG DIVISION

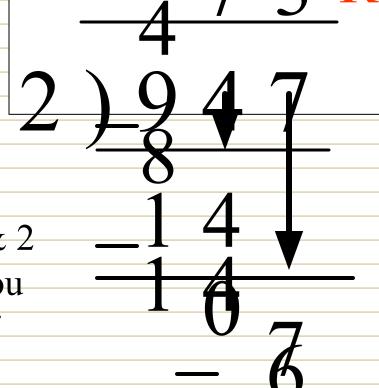


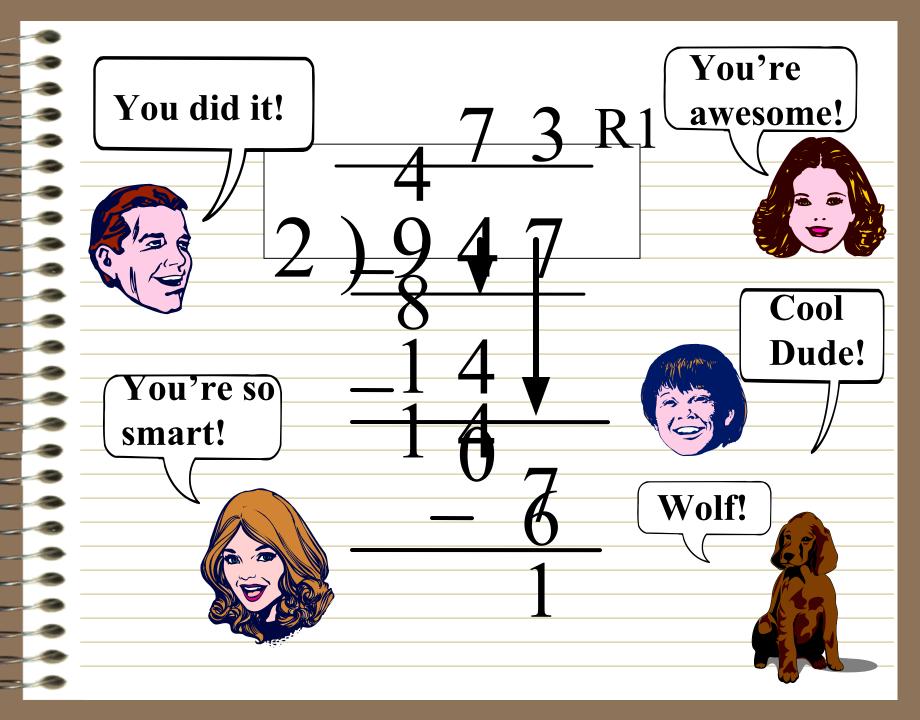
5. Repeat or Remainder

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.





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