

## DIVISION

### What Is Division?

- Division is splitting up numbers into equal parts.
- The process of finding out how many times one number will go into another number.
- Division is a series of repeated subtraction.
- The parts of a division problem include the **divisor**, **dividend**, **quotient** and **remainder**.



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- The answer to a division problem is called the **quotient**.

## How to Divide:

There are **five steps to dividing**.

1. Divide.
2. Multiply.
3. Subtract.
4. Compare.
5. Bring down the next number.

**Example:**

$$\begin{array}{r}
 14 \\
 6 \overline{) 84} \\
 \underline{-6} \phantom{0} \\
 24 \\
 \underline{-24} \\
 0
 \end{array}$$



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1. **Divide** 8 by 6. 6 goes into 8 one time. Write 1 above the 8.
2. **Multiply** 1 by 6. Write 6 below the 8.
3. **Subtract.** 8 - 6. The answer is 2. Write it down under the 6.
4. **Compare** what is left over after subtracting with the divisor. It must be less than the divisor, if not, then go back to step 1 and choose a larger number to multiply.
5. **Bring down** the 4. Then go through steps 1 through 4 again.  $24 \div 6 = 4$ .
6. **Multiply. Subtract. Compare.** There is not another number to bring down.
7. The final answer is 14.  $84 \div 6 = 14$ .

### Try This!

$$9 \overline{) 78}$$

$$3 \overline{) 35}$$