

Repeated Subtraction Strategy for Division

$$67 \text{ cars} \div 4 \text{ rows} = n$$

Think, "I need to divide 67 cars into 4 rows."

First, I can subtract 4 away from 67 until I can't subtract 4 anymore.

$$\begin{array}{r} \text{So, } 67 \\ - 4 \quad \textcircled{1}^{x4} \\ \hline 63 \\ - 4 \quad \textcircled{1}^{x4} \\ \hline 59 \\ - 4 \quad \textcircled{1}^{x4} \\ \hline 55 \\ - 4 \quad \textcircled{1}^{x4} \\ \hline 51 \end{array}$$

I notice this will take me a long time, so I can continue subtracting 4 or I can subtract multiples of 4 from 67 cars. So I will start with 40 because $10 \times 4 = 40$, so I will take away 40 cars.

$$\begin{array}{r} 67 \\ - 40 \quad \textcircled{10}^{x4} \\ \hline 27 \end{array}$$

I now have 27 cars left to place. I know that $7 \times 4 = 28$ and that's more cars than I have, so I'll use 6 because $6 \times 4 = 24$ which will get me closer to 27 cars without being too many.

$$\begin{array}{r} 27 \\ - 24 \quad \textcircled{6}^{x4} \\ \hline 3 \end{array}$$

Now, I have 3 cars left over that cannot go in a row. Therefore, I will count up the number of 6s I subtracted (number that is circled). I used 16, 6s. I know that 16 cars will go in each row.

$$\text{So, } 67 \div 4 = 16 \text{ r}3$$