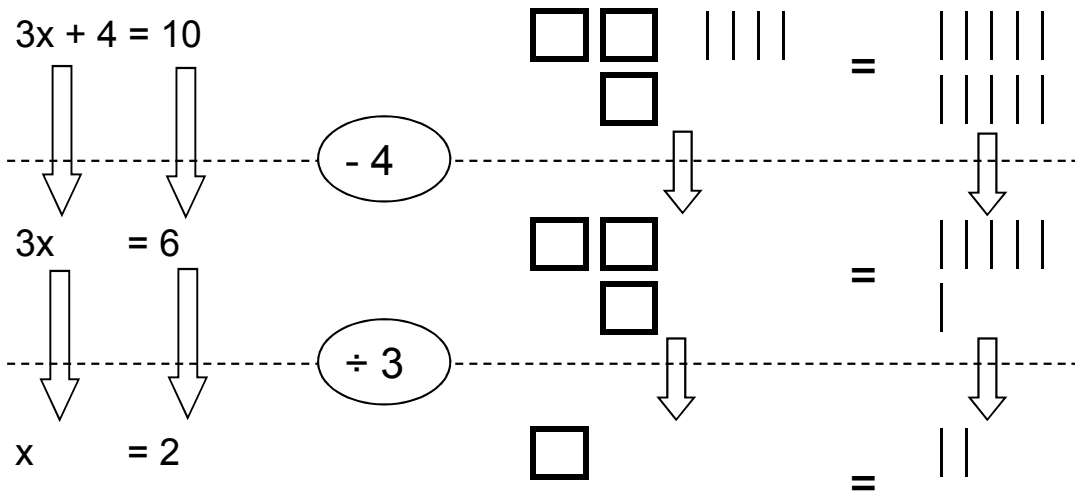


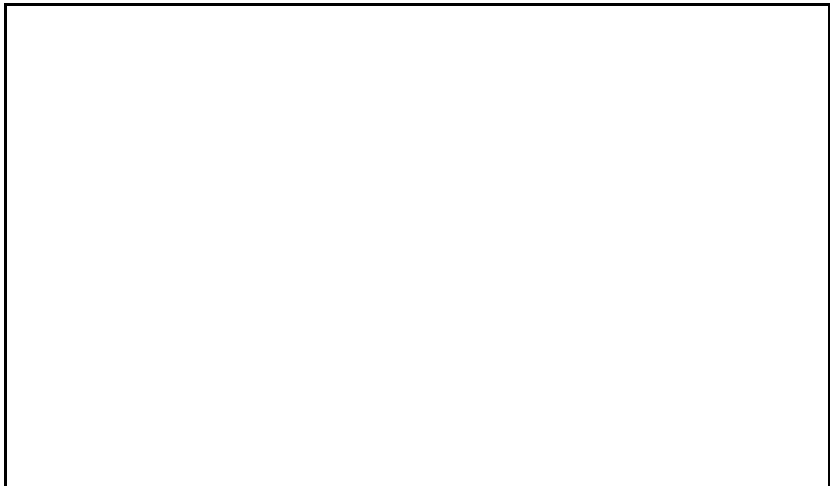
Matchbox Maths

This is how we use the matchbox example, *and* the equation method, to find a missing number:



Task 1: Draw the matchboxes and matches for the equation on the left.

$$2x + 3 = 11$$



$$x + 4 = 7$$



Task 2: Write the equations for the matchboxes on the right.

$$\begin{array}{|c|c|} \hline \square & \square \\ \hline \square & \square \\ \hline \end{array} \quad ||| \quad = \quad \begin{array}{|c|c|c|c|} \hline | & | & | & | \\ \hline & & & | \\ \hline \end{array}$$

$$\square \quad | \quad = \quad \begin{array}{|c|c|c|c|} \hline | & | & | & | \\ \hline & & & | \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline \square & \square \\ \hline & \square \\ \hline \end{array} \quad | \quad = \quad \begin{array}{|c|c|c|c|} \hline | & | & | & | \\ \hline & & & | \\ \hline \end{array}$$

$$\square \square \quad | \quad = \quad \begin{array}{|c|c|c|c|} \hline | & | & | & | \\ \hline & & & | \\ \hline \end{array}$$

When you finish, use the equations and the matchboxes to work out how many matches in a matchbox (the number x)