LONG MULTIPLICATION

is just multiplying two numbers

Let’s try it!

A problem

892

x 11

892 x 10 = 8,920

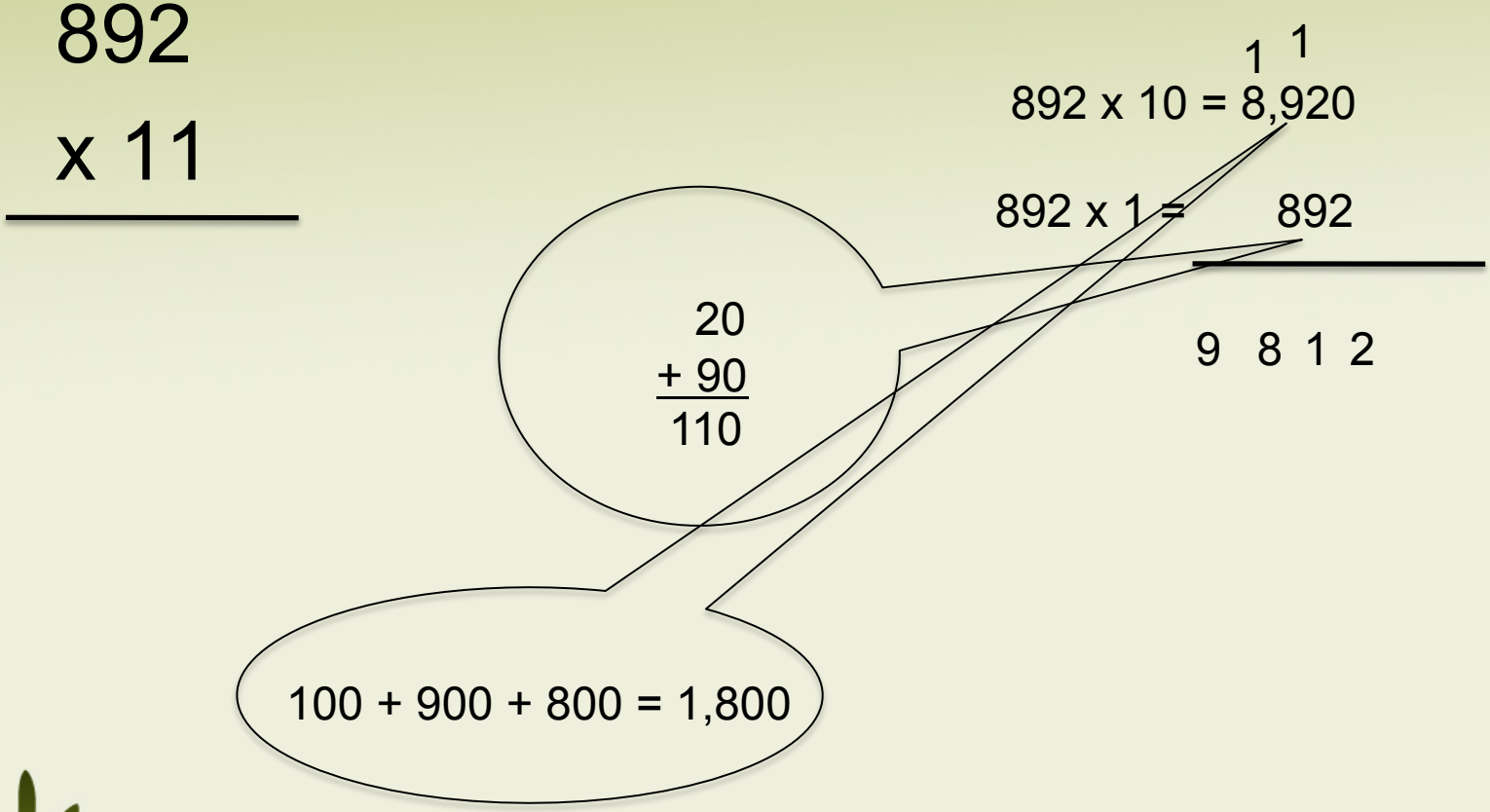
892 x 1 = 892

The product of any number multiplied by 10 is that number with a zero added

Add up the answers from the first problems

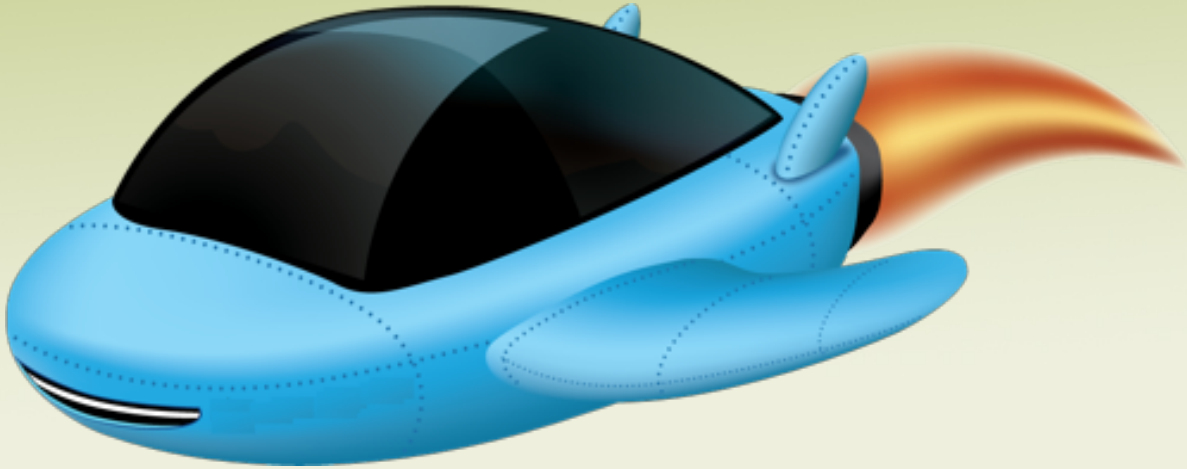
892

x 11



Before you go

Do a reality check



Could this really be true?

MATH reality check

892

x 11

900

x 11

9,900

9,812 < 9,900

Check!

MATH reality check

892
x 11

2
x 1
2

----- 2

9,812

Check!

Does this pass a reality check?

$$\begin{array}{r} 892 \\ \times \quad 11 \\ \hline 37{,}475 \end{array}$$