

**QUICK TIP!**

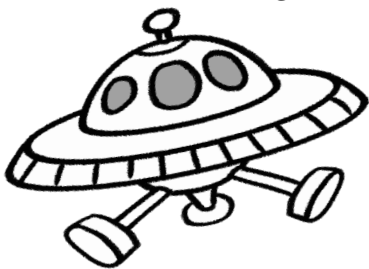
Hey Kids! Time for a super fun math lesson, courtesy of Math Madness!

**DIVISION: MULTIPLE DIGITS**

Long division works the same no matter how many digits are in the divisor.

- Move across the dividend digit by digit from left to right.
- At each digit, write the number that can be multiplied against the divisor to generate a number that is as close as possible, but not over, the current value.
- Subtract, drop the next digit down, and do the whole thing over again.

$$12 \overline{)326} \rightarrow 12 \overline{)326} \begin{array}{r} 0 \\ -0 \\ \hline 3 \end{array} \rightarrow 12 \overline{)326} \begin{array}{r} 02 \\ -0 \\ \hline 32 \\ -24 \\ \hline 8 \end{array} \rightarrow 12 \overline{)326} \begin{array}{r} 027 \\ -0 \\ \hline 32 \\ -24 \\ \hline 86 \\ -84 \\ \hline 2 \end{array} \rightarrow 12 \overline{)326} \begin{array}{r} 027r2 \\ -0 \\ \hline 32 \\ -24 \\ \hline 86 \\ -84 \\ \hline 2 \end{array}$$

**TRY IT!**

$$32 \overline{)384}$$

$$15 \overline{)615}$$

$$20 \overline{)826}$$

$$44 \overline{)484}$$

$$52 \overline{)604}$$

$$23 \overline{)460}$$

$$25 \overline{)525}$$

$$33 \overline{)716}$$

