

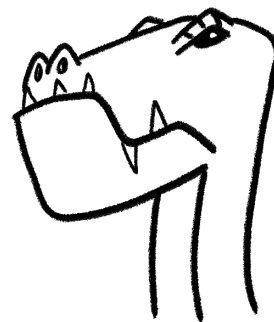
**QUICK TIP!**

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

**DIVISION: THE ART OF GUESSING**

Dividing by numbers less than 10 is pretty straightforward. You can use the multiplication tables you have memorized to figure things out at each step. Bigger numbers are a bit of a hassle. You generally just have to make a guess and then check to see if it is correct.

$$22 \overline{)656} \rightarrow 22 \overline{)656} \begin{array}{r} 2 \\ -44 \\ \hline 21 \end{array} \rightarrow 22 \overline{)656} \begin{array}{r} 2 \\ -44 \\ \hline 21 \end{array} \rightarrow 22 \overline{)656} \begin{array}{r} 29r18 \\ -44 \\ \hline 216 \\ -198 \\ \hline 18 \end{array}$$



Step 1:

$22 \times 3 = 66$

$66 > 65$  so 3 is too big.

$22 \times 1 = 22$

$65 - 22 = 43$ . 43 is bigger than 22 so 1 is too small.

$22 \times 2 = 44$

$44 < 65$  and  $65 - 44 = 21$  which is less than 22. This is it!

Step 2:

$22 \times 7 = 154$

$216 - 154 = 62$ . 62 is bigger than 22 so 7 is too small.

$22 \times 9 = 198$

$216 - 198 = 18$ . 18 is less than 22. This is it!

**TRY IT!**

$12 \overline{)366}$

$41 \overline{)557}$

$35 \overline{)853}$

$26 \overline{)919}$

$23 \overline{)435}$

$16 \overline{)705}$

$29 \overline{)804}$

$31 \overline{)466}$