What We’re Learning

During the next few weeks, our math class will be learning about division of whole numbers by 2-digit numbers.

You can expect to see work that provides practice with estimating quotients and dividing by a 2-digit number. You may wish to use this sample as a guide.

Guiding Your Child

2-Digit Quotients

To find $2180 \div 29$, you can follow these steps.

Step 1: Estimate to decide what the first digit of the quotient should be and where in the quotient it should go.

$$\begin{array}{c}
29 \mid 2180 \rightarrow 30 \mid 2100 \\
70
\end{array}$$

Step 2: Try the estimate. If it works, divide. If not, adjust your estimate and try again.

$$\begin{array}{c}
7 \\
29 \mid 2180 \\
-203
\end{array}$$

Think: 30 \mid 210 tens

Multiply. $7 \times 29$

Subtract. $218 - 203$

Compare. $15 < 29$

Step 3: Bring down the ones. Estimate, then divide.

$$\begin{array}{c}
75 \text{ R5} \\
29 \mid 2180 \\
-203
\end{array}$$

Think: 30 \mid 150

Multiply. $5 \times 29$

Subtract. $150 - 145$

Compare. $5 < 29$

Step 4: Check the answer by multiplying.

$$\begin{array}{c}
75 \\
\times 29
\end{array}$$

Think: 7 tens

$$\begin{array}{c}
675 \\
150
\end{array}$$

The sum equals the dividend, so the quotient is correct.

Knowing how to divide with greater numbers will help students solve problems that involve division.

Sincerely,

Your Child’s Teacher