Division by ones

$47 \div 2$ can be written in two ways:

$$2\overline{)47}\quad 23\frac{1}{2}$$

$$\begin{array}{r} 4 \\ \hline 7 \\ 6 \\ \hline 1 \end{array}$$

or

$$2\overline{)47}\quad 23 \text{ r } 1$$

$$\begin{array}{r} 4 \\ \hline 7 \\ 6 \\ \hline 1 \end{array}$$

Write the quotients for these problems with fraction remainders.

$2\overline{)17}$ $4\overline{)19}$ $3\overline{)16}$ $4\overline{)37}$

$3\overline{)29}$ $2\overline{)45}$ $5\overline{)87}$ $5\overline{)49}$

Write the quotients for these problems with unit remainders.

$2\overline{)73}$ $2\overline{)85}$ $2\overline{)39}$ $4\overline{)59}$

$4\overline{)71}$ $4\overline{)83}$ $5\overline{)29}$ $5\overline{)47}$

Division by ones

47 ÷ 2 can be written in two ways:

$23\frac{1}{2}$

$$\begin{array}{r} 23 \\ 2\overline{)47} \\ 4 \\ \hline 7 \\ 6 \\ \hline 1 \end{array}$$

or

23 r 1

$$\begin{array}{r} 23 \\ 2\overline{)47} \\ 4 \\ \hline 7 \\ 6 \\ \hline 1 \end{array}$$

Write the quotients for these problems with fraction remainders.

$8\frac{1}{2}$

$$\begin{array}{r} 8 \\ 2\overline{)17} \\ 16 \\ \hline 1 \end{array}$$

$4\frac{3}{4}$

$$\begin{array}{r} 4 \\ 4\overline{)19} \\ 16 \\ \hline 3 \end{array}$$

$5\frac{1}{3}$

$$\begin{array}{r} 5 \\ 3\overline{)16} \\ 15 \\ \hline 1 \end{array}$$

$9\frac{1}{4}$

$$\begin{array}{r} 9 \\ 4\overline{)37} \\ 36 \\ \hline 1 \end{array}$$

$9\frac{2}{3}$

$$\begin{array}{r} 9 \\ 3\overline{)29} \\ 27 \\ \hline 2 \end{array}$$

$22\frac{1}{2}$

$$\begin{array}{r} 22 \\ 2\overline{)45} \\ 4 \\ \hline 5 \\ 4 \\ \hline 1 \end{array}$$

$17\frac{2}{5}$

$$\begin{array}{r} 17 \\ 5\overline{)87} \\ 5 \\ \hline 37 \\ 35 \\ \hline 2 \end{array}$$

$9\frac{4}{5}$

$$\begin{array}{r} 9 \\ 5\overline{)49} \\ 45 \\ \hline 4 \end{array}$$

Write the quotients for these problems with unit remainders.

36 r 1

$$\begin{array}{r} 36 \\ 2\overline{)73} \\ 6 \\ \hline 13 \\ 12 \\ \hline 1 \end{array}$$

42 r 1

$$\begin{array}{r} 42 \\ 2\overline{)85} \\ 4 \\ \hline 5 \\ 4 \\ \hline 1 \end{array}$$

19 r 1

$$\begin{array}{r} 19 \\ 2\overline{)39} \\ 2 \\ \hline 19 \\ 18 \\ \hline 1 \end{array}$$

14 r 3

$$\begin{array}{r} 14 \\ 4\overline{)59} \\ 4 \\ \hline 19 \\ 16 \\ \hline 3 \end{array}$$

17 r 3

$$\begin{array}{r} 17 \\ 4\overline{)71} \\ 4 \\ \hline 31 \\ 28 \\ \hline 3 \end{array}$$

20 r 3

$$\begin{array}{r} 20 \\ 4\overline{)83} \\ 8 \\ \hline 3 \\ 0 \\ \hline 3 \end{array}$$

5 r 4

$$\begin{array}{r} 5 \\ 5\overline{)29} \\ 25 \\ \hline 4 \end{array}$$

9 r 2

$$\begin{array}{r} 9 \\ 5\overline{)47} \\ 45 \\ \hline 2 \end{array}$$

By now children will be comfortable with remainders. In the second section, they have to place a decimal point after the number being divided and add one or two zeros. Encourage them to use the last section as practice for the operation they found most difficult.