

Mystery Decimals

You need a calculator (optional)

Activity



1 Copy the boxes for each equation into your book.
Put the digits in the boxes so that each equation is correct.
Here is an example:

Use 0, 1, 2, and 5 in these boxes:

$$\frac{\square}{\square} = \square.\square \quad \blacktriangleright \quad \frac{\begin{matrix} 1 \\ \square \end{matrix}}{\begin{matrix} \square \\ 2 \end{matrix}} = \begin{matrix} \square \\ 0 \end{matrix}.\begin{matrix} \square \\ 5 \end{matrix}$$

a. Use 0 and 3:

$$\frac{\square}{\begin{matrix} \square \\ 6 \end{matrix}} = \square.\begin{matrix} \square \\ 5 \end{matrix}$$

b. Use 0, 4, 5, and 8:

$$\frac{\square}{\square} = \square.\square$$

c. Use 0, 2, 2, 5, and 8:

$$\frac{\square}{\square} = \square.\square\square$$

d. Use 0, 3, 4, 5, and 7:

$$\frac{\square}{\square} = \square.\square\square$$

e. Use 0, 1, 1, 2, 5, and 8:

$$\frac{\square}{\square} = \square.\square\square\square$$

f. Use 2, 2, 4, 5, and 9:

$$\frac{\square}{\square} = \square.\square\square$$



2 Make up some problems like these for a classmate to solve.