

8th Grade Lesson 51

- I can find the decimal part of a number.

The equation for the fractional part of a number is:

$$F \cdot A = B$$

The equation for the decimal part of a number is:

$$D \cdot A = B$$

What decimal part of 240 is 90?

$$D \cdot A = B$$

$$\frac{D \cdot 240}{240} = \frac{90}{240} = \frac{3}{8}$$

$$D = 0.375$$

$$\begin{array}{r} 0.375 \\ 8 \overline{) 3.000} \\ \underline{24} \\ 60 \\ \underline{56} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

Four tenths of what number is 72?

$$\begin{array}{r} 0.4 \cdot A = 72 \\ \hline 0.4 \quad 0.4 \\ A = 180 \end{array}$$

$$\begin{array}{r} 180. \\ 0.4 \overline{) 720.} \\ \underline{4} \\ 32 \\ \underline{32} \\ 0 \end{array}$$

Four tenths of 72 is what number?

$$0.4 \cdot 72 = B$$

$$28.8 = B$$

$$B = 28.8$$

Assignment:
Problem Set 51