

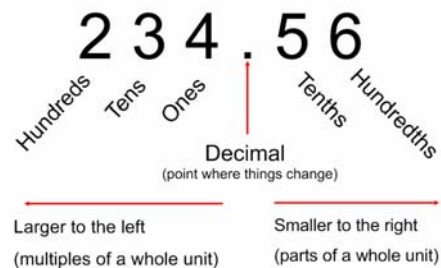
Learning Goal:

By the end of this lesson I should be able to MULTIPLY together a positive number and a number with ONE or TWO decimal places, WITHOUT the use of a calculator (technology).

- Multiplying by a decimal that is less than one, product should get smaller. $(6)(0.2) = 1.2$

Number Places

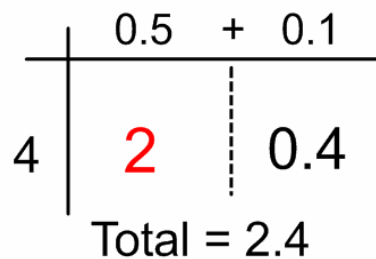
"two hundred and thirty four and fifty six hundredths"



Example Strategies: Find the product of $(4)(0.6)$

Number Model (Four groups of six-tenths.)

$$\begin{aligned}
 &(4)(0.6) \\
 &= 0.6 + 0.6 + 0.6 + 0.6 \\
 &= 0.5+0.1 + 0.5+0.1 + 0.5+0.1 + 0.5+0.1 \\
 &= 2 + 0.4 \\
 &= 2.4
 \end{aligned}$$

Area Model

Skills Practice: Find the product of the following:

(a) $(4)(0.4)$ (b) $(9)(0.3)$ (c) $(7)(0.8)$

(d) $(8)(0.25)$ (e) $(7)(0.32)$ (f) $(12)(0.75)$