

Strategy 1: Powers of 10

I can use this when...

- 1) Multiplying whole numbers X decimals
- 2) Multiplying decimals x decimals
- 3) Any equation with decimals

$7.75 \times 7.2 = G$

$7.75 \times 100 = 775$
 $7.2 \times 10 = 72$

$$\begin{array}{r} 775 \\ \times 72 \\ \hline 1550 \\ 49850 \\ \hline 51400 \end{array}$$

$514,000 \div 1000 = 51.400$
 $G = 51.400$

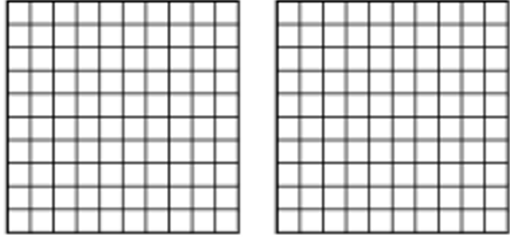
Strategy 2: Visual Models

I can use this when...

- 1) Tenths X tenths (part times part)
- 2) Whole number X a decimal (whole x part)

Example:

$2 \times 0.97 =$



Strategy 3: Renaming the Decimals

I can use this when...

- 1) Whole number X a decimal
- 2) Decimal X a decimal

$3.1 \times 3.4 = T$

$$\begin{array}{r} 31 \text{ tenths} \\ \times 34 \text{ tenths} \\ \hline 124 \\ +930 \\ \hline 1054 \end{array}$$

1054 hundredths (tenth x tenth)

$T = 10.54$

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1	0	5	4