

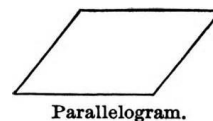
# MATH MINUTE VOLUME 5

## Chapter 5 Key Concepts



- Multiplying Fractions
- Multiplying Mixed Numbers
- Area of a Triangle

- Multiplying Decimals
- Area of Parallelogram
- Area of a Trapezoid



### Steps for Multiplying Decimals

1. Line up the numbers and multiply like normal.
2. Figure out where the decimal goes

$$\begin{array}{r} 1.25 \\ \times 7.3 \\ \hline 1375 \\ 8750 \\ \hline 9125 \end{array}$$

two digits to the right of the decimal in 1.25  
 one digit to the right of the decimal in 7.3  

$$\begin{array}{r} 2 \\ +1 \\ \hline 3 \end{array}$$
  
 start counting back from 3 here  
 this is where you should place the decimal point

Or Use a generic rectangle

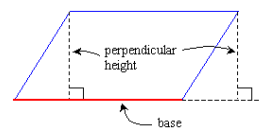
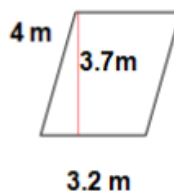
	1	0.2	0.03
2	2	0.4	0.06
0.4	0.4	0.08	0.012

$$2 + 0.4 + 0.06 + 0.4 + 0.08 + 0.012 = 2.952$$

### Formulas for Finding Area

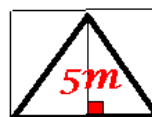
#### Parallelogram

Example:



$$\begin{aligned} \text{Area} &= bh \\ \text{Area} &= 3.2\text{m} \times 3.7\text{m} \\ \text{Area} &= 11.84\text{m}^2 \end{aligned}$$

#### Triangle



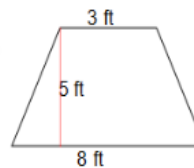
$$\frac{b \times h}{2} = \frac{5 \times 3}{2}$$

$$\frac{15}{2} = 7.5\text{m}^2$$

#### Trapezoid

Example:

$$\frac{(b + t) \cdot h}{2}$$



$$\begin{aligned} \text{Area} &= \frac{1}{2} h (b_1 + b_2) \\ \text{Area} &= \frac{1}{2} \cdot 5 \cdot (3 + 8) \\ \text{Area} &= \frac{1}{2} \cdot 5 \cdot (11) \\ \text{Area} &= \frac{1}{2} \cdot 55 \\ \text{Area} &= 27.5 \text{ ft}^2 \end{aligned}$$



Parent Signature: \_\_\_\_\_