**Exercise 3:** Under normal conditions, 1.5 feet of snow will melt into 2 inches of water. After a monster snowstorm, there were 3.5 feet of snow. How many inches of water will there be when the snow melts?

showstorm, there were 3.5 feet of snow. How many inches of water will there be when the snow melts?

1.5ff snow = 
$$2in + 420$$

1.5ff snow =  $3.5ff + 500$ 

2 in  $4420$ 

2 in  $4420$ 

2 (3.5) =  $1.5 \times 1.5 \times$ 

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$$1.5x = 2(3.5)$$
  
 $1.5x = 7$ 

$$x = \frac{7}{1.5}$$
  
 $x = 4.7$  in H<sub>2</sub>O  
 $x = 4\frac{2}{1}$  in H<sub>2</sub>O

Does arrangement matter?

$$\frac{1.5ft \, snow}{3.5ft \, snow} = \frac{x}{2 \, in \, H20}$$

$$\frac{1.5}{2} = 3.5x$$

$$\frac{3}{25} = x$$

Dor't do this

-> 1,5ft snow and 2in H2O should NOT be diagonal on the proportion

-) always keep them across equal sign or one atop the other.