$$\sqrt{(43)(43)} = 43$$

$$\sqrt{(43)(43)} = 43$$

$$8\sqrt{x-5} + 34 = 58$$

$$-34 - 34$$

$$8\sqrt{x-5} = 24$$

$$(\sqrt{x-5})^{2} = 3^{2}$$

$$x-5=9$$

$$x=4$$

$$\sqrt{56} + 6 = 5$$
 $\sqrt{1} + 6 = 5$ 
 $1 + 6 = 5$ 
 $7 = 6$  ×

$$(x)^{2}(\sqrt{2}-x)^{2}$$

$$-2 = \sqrt{2}-(-2)$$

$$x^{2}=2-x$$

$$-2=2 \times$$

$$x^{3}+x-2=0$$

$$(x+2)x-1$$

$$x+2=0$$

$$x=1$$

$$x=1$$

$$-2 = \sqrt{2-(-2)}$$

$$-2 = \sqrt{4}$$

$$-2 = 2 \times 1$$

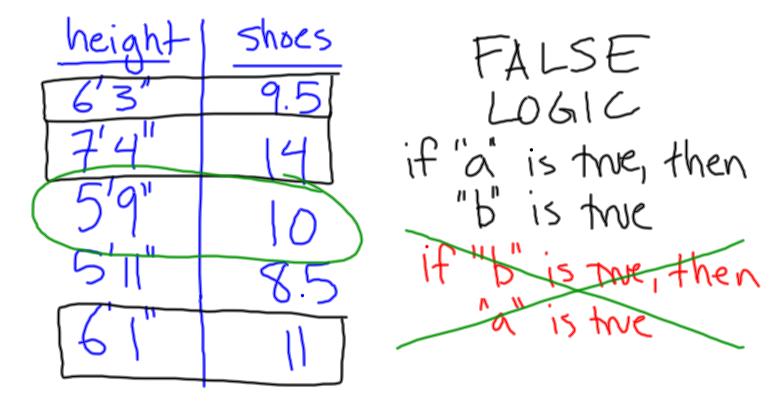
$$1 = \sqrt{2-1}$$

$$1 = \sqrt{1}$$

$$1 = 1 \times 1$$

In a recent survey, it was reported that of drivers who recently got in an accident, 75% of them were NOT eating food when they crashed their car. Is it therefore safer to eat while driving? Why or why not?

100% of men over 6 feet tall wear shoes that are at least size 9. My friend wears shoes that are size 10. Is he over 6 feet tall? Why or why not?



## Probabilities:

Express the likelihood that Something is true.

A Stotal # of cases

where it is twe

total # of cases

total # of cases

X 0/0 = # of cases out of 100

Where it is twe

Homework:
"People & Probability"