

## Math 8

Our Goal: To learn to find square roots

Warm Up: Test discussion

Today's participation measures

7.1 Practice A handout

- The homework you see on your packet is not due till Tuesday
- this weekend is a homework free zone
- Monday is an assessment free zone

iready is due today; so it is not weekend homework

Previous Homework

iready, if needed

The square of a number  
is just the number times itself.

The square of 7 is 49

$$7^2 = 49$$

$$7 \cdot 7 = 49$$

Every positive number has  
two square roots, 1 positive  
and 1 negative


The square root of a number (x)  
is the number whose square is x

$$\boxed{3}^2 = 9$$

The square root of 9 is 3  
because  $3 \cdot 3$  is 9

$$\boxed{-3}^2 = 9$$

The square root of 9 is also -3


  
 Use this for the positive
   
 square root

$$\sqrt{36} = 6$$

$$-\sqrt{36} = -6$$

$$\pm \sqrt{36} = \pm 6$$

$$\sqrt{81} = 9$$

$$-\sqrt{64} = -8$$

$$\pm \sqrt{100} = \pm 10$$

$$\sqrt{\frac{1}{4}} = \frac{1}{2}$$

because  $\frac{1}{2} \cdot \frac{1}{2} = \frac{1}{4}$

$$\sqrt{\frac{25}{49}} = \frac{\sqrt{25}}{\sqrt{49}}$$

$$\sqrt{1,331}$$