

Estimating Positive / Negative Square Roots

Eighth Grade - Pre-Algebra - Estimating Square Roots - WKS-05

Name _____

Date ____/____/____

Period _____ Score _____

Determine the integers each square root is between.

1. Which two integers is $\sqrt{20}$ between? _____ and _____?
2. Which two integers is $\sqrt{45}$ between? _____ and _____?
3. Which two integers is $\sqrt{132}$ between? _____ and _____?
4. Which two integers is $-\sqrt{28}$ between? _____ and _____?
5. Which two integers is $-\sqrt{250}$ between? _____ and _____?
6. Which two integers is $-\sqrt{3}$ between? _____ and _____?
7. Which two integers is $\sqrt{56}$ between? _____ and _____?
8. Which two integers is $-\sqrt{110}$ between? _____ and _____?
9. Which two integers is $\sqrt{181}$ between? _____ and _____?
10. Which two integers is $-\sqrt{300}$ between? _____ and _____?

Estimate each square root to the nearest tenth.

11. Estimate the value of $\sqrt{17}$ to the nearest tenth. _____
12. Estimate the value of $\sqrt{65}$ to the nearest tenth. _____
13. Estimate the value of $\sqrt{240}$ to the nearest tenth. _____
14. Estimate the value of $-\sqrt{88}$ to the nearest tenth. _____
15. Estimate the value of $-\sqrt{23}$ to the nearest tenth. _____
16. Estimate the value of $-\sqrt{11}$ to the nearest tenth. _____
17. Estimate the value of $\sqrt{365}$ to the nearest tenth. _____
18. Estimate the value of $-\sqrt{26}$ to the nearest tenth. _____
19. Estimate the value of $\sqrt{30}$ to the nearest tenth. _____
20. Estimate the value of $-\sqrt{52}$ to the nearest tenth. _____

a negative
square root:

$$-\sqrt{9} = -3$$

the -
carries over

(But it's the
same)