

NC EMPT'S  
**QUESTION?**  
*of the week*

Find the value of the median given the set of data: {2,2,8,7,2,2,3}

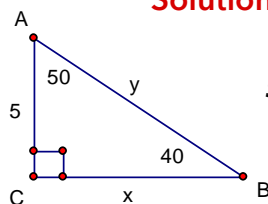
- A. 3.71                      B. 7                              C. 3                              D. 3.52                      E. 2

*Last Week's Answer*

Given right  $\triangle ABC$  with  $\angle C = 90^\circ$ ,  $\angle A = 50^\circ$ ,  $AC = 5$ ,  $BC = x$ , and  $AB = y$ , which equation expresses a correct trigonometric ratio for the triangle?

- A.  $\cos 50^\circ = \frac{y}{5}$               B.  $\sin 50^\circ = \frac{x}{y}$               C.  $\tan 40^\circ = \frac{x}{5}$               D.  $\cos 40^\circ = \frac{5}{y}$               E.  $\tan 50^\circ = \frac{5}{x}$

**Solution:**



$$\sin 50^\circ = \frac{\text{opposite leg}}{\text{hypotenuse}} = \frac{x}{y}$$

*Each week, we'll reveal the answer to the previous week's question!*

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