

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

25. If the coordinates of one endpoint of a line segment are  $(3, -4)$  and the midpoint of the segment has coordinates  $(-1, 2)$ .

What are the coordinates of the other endpoint of the segment?

- A.  $(7, -10)$     B.  $(-2, 3)$     C.  $(1, -1)$     D.  $(2, 3)$     E.  $(-5, 8)$

*Last Week's Answer*

24. After a 12% reduction, the sale price of a pair of flip-flops was \$9.46. Before the reduction, the original price was

- A. \$8.32    B. \$9.34    C. \$9.58    D. \$10.75    E. \$10.88

**Solution:** Let  $x$  represent the original price of the flip-flops. To find the amount of reduction in price from the original price, multiply  $x$  by 12%.

$$\begin{array}{rcl}
 \textit{original price} - \textit{reduction} & = & \textit{sale price} \\
 x & - & .12x = 9.46 \\
 1x & - & .12x = 9.46 \\
 & & .88x = 9.46 \\
 & & x = \$10.75
 \end{array}$$

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

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