

This book has permission to use the "N&K method of COLORS".

16) **Question:** Find the value of  $x$   
for  $x^2 - 25 = 0$   
and  
 $x$  is a positive number.

**For speed,** while solving something similar, only **THINK** the words in blue; **WRITE** only the words in other **COLORS**.

Given: 1)  $x^2 - 25 = 0$   
and 2)  $x$  is a positive number.

**Solve:** Find the value of  $x$

$$\begin{aligned}x^2 - 25 &= 0 \\x^2 - 25 + 25 &= 0 + 25 \\x^2 - \cancel{25} + \cancel{25} &= 0 + 25 \\x^2 &= 25 \\x &= \pm 5\end{aligned}$$

Since there is a restriction that  $x$  has to be a positive number, the only available choice is "5". . . . . Answer