Solving using Q-tips

Ti (Key Terms or Ideas)	**Q** (What is the question to be solved?)
P (Problem Solving)	**S** (Solution – does it answer the question above?)

Solving the sample question using Q-tips

31 A ribbon 56 centimeters long is cut into two pieces. One of the pieces is three times longer than the other. Find the lengths, in centimeters, of *both* pieces of ribbon.

Ti (Key Terms or Ideas)	**Q** (What is the question to be solved?)
• 56 cm long ribbon cut into two pieces • One piece is three times longer than the other	How long is each piece of ribbon?
P (Problem Solving)	**S** (Solution – does it answer the question above?)

Let
   x = first piece of ribbon
   $3x$ = second piece of ribbon
 	
piece 1 + piece 2 = 56 cm
  x + $3x$ = 56 cm
    $4x$ = 56 cm
    ÷ 4   ÷ 4
     x = 14 cm
	x = 14 cm so . . .
	
	piece 1 = 14 cm
	piece 2 = 3(14) = 42 cm