

ACT PRACTICE ~ 1 minute ~ From JUNE 2009 ACT:

- ① For 2 consecutive integers, the result of adding the smaller integer and triple the larger integer is 79. What are the 2 integers?

$$\begin{array}{ccccccc} \text{SMALLER INTEGER} & \{ \text{ADDING} \} & \{ \text{triple} \} & \text{NEXT consecutive integer} & & & \\ \downarrow & & & \downarrow & & & \\ N & + & 3(N+1) & = & 79 & & \end{array}$$

$$N + 3N + 3 = 79$$

↓ ↓

$$4N + 3 = 79$$

$$\begin{array}{r} -3 \quad -3 \end{array}$$

$$\frac{4N}{4} = \frac{76}{4}$$

$$N = 19 \quad \therefore \boxed{19, 20} \quad \begin{array}{l} \text{CONSECUTIVE} \\ \text{2 INTEGERS} \end{array}$$