★ Look for <u>KEY</u> words. Build the <u>equation</u> then <u>check</u> to see that it makes sense.

<u>Ex.</u> A cow sleeps ⑦ hours per day. This ⓘⓢ 1 hour less than twice the amount an elephant sleeps.

$C = 7$

a) Choose variables to represent the animals.

★ b) Build an equation for this situation.

c) How long does an elephant sleep?

a)   Let C = cow sleep
        E = elephant sleep

b) $C = 2E - 1$

        $7 = 2E - 1$

c) $7 = 2E - 1$
      $+1$ $+1$

        $\dfrac{8}{2} = \dfrac{2E}{2}$

        $\boxed{4 = E}$

<u>Check:</u>
$7 = 2(4) - 1$
$7 = 8 - 1$
$7 = 7$ ✓

The elephant sleeps for 4 hours a day.

Page 386 # 15,16

Page 392 # 14