1.   The $\boxed{\text{sum}}$ of two consecutive integers is 17.

Find the integers.   Let $x =$ 1st cons. int.
                        $x + 1 =$ 2nd

$$x + (x + 1) = 17$$
$$2x + 1 = 17$$
$$ -1 -1$$
$$\frac{2x}{2} = \frac{16}{2}$$
$$x = 8$$

$$\boxed{8 \ \& \ 9}$$

2.   The <u>sum</u> of three consecutive odd integers

is -453. Find the integers.

Let $x =$ 1st cons. odd int. $\boxed{\begin{array}{l} -153 \\ -151 \\ -149 \end{array}}$
$x + 2 =$ 2nd
$x + 4 =$ 3rd

$$x + (x + 2) + (x + 4) = -453$$
$$3x + 6 = -453$$
$$ -6 -6$$
$$\frac{3x}{3} = \frac{-459}{3}$$
$$x = -153$$

3.   The sum of four consecutive even integers

is 132. Find the integers.

Let x = 1st cons. even int.
x + 2 = 2nd
x + 4 = 3rd
x + 6 = 4th

30
32
34
36

$$x + (x+2) + (x+4) + (x+6) = 132$$
$$4x + 12 = 132$$
$$-12 \qquad -12$$
$$\frac{4x}{4} = \frac{120}{4}$$
$$x = 30$$

4.   One season, Reggie Walker scored 9 more $^{+9}$

than twice (mult. by 2) the number of runs he batted in.

He scored 117 runs that season. How many

runs did he bat in?

Let x = # of runs batted in

$$2x + 9 = 117$$
$$-9 \qquad -9$$
$$\frac{2x}{2} = \frac{108}{2}$$
$$x = 54 \text{ runs}$$