

$$a_1 + a_2 = \frac{29}{3} = \frac{29}{3}$$

$$a_1 - d = 5 \frac{1}{3} = \frac{16}{3}$$

$$a_1 = d + \frac{16}{3} = -\frac{1}{3} + \frac{16}{3} = 5$$

$$a_n = a_1 + d(n-1)$$

$$a_2 = a_1 + d = d + \frac{16}{3} + d = 2d + \frac{16}{3}$$

$$d + \frac{16}{3} + 2d + \frac{16}{3} = \frac{29}{3}$$

$$3d = \frac{29 - 16 - 16}{3} = -\frac{3}{3} = -1$$

$$d = -\frac{1}{3}$$

$$a_3 = a_1 + 2d = 5 - \frac{1}{3} \cdot 2 = \frac{13}{3}$$

$$-191 = 5 - \frac{1}{3}(n-1) = 5 + \frac{1}{3} - \frac{1}{3}n = \frac{16}{3} - \frac{1}{3}n \quad | \cdot 3$$

$$-16 - n = -5 \cdot 3$$

$$n = 589$$