

6. let the integers be x , $x+1$, $x+2$
according to condition

$$x + x+1 + x+2 = 51$$

$$\Rightarrow 3x = 51 - 3$$

$$\Rightarrow 3x = 48$$

$$\Rightarrow x = \frac{\cancel{48}^{16}}{\cancel{3}}$$

$$\Rightarrow x = 16$$

\therefore numbers are 16

$$16+1 = 17$$

$$16+2 = 18$$

7. let multiples be x , $x+8$, $x+16$
according to condition

$$x + x+8 + x+16 = 888$$

$$\Rightarrow 3x = 888 - 24$$

$$\Rightarrow x = \frac{\cancel{864}^{288}}{\cancel{3}}$$

$$\Rightarrow x = 288$$

\therefore required multiples of 8 are

$$288,$$

$$288+8 = 296$$

$$288+16 = 304$$