$$d=3$$

$$U=3$$

(ii)
$$(l_n = 5.6 + (n-1)(.6))$$

$$255 = 5 n$$
 $51 = n$

$$\frac{1}{2}, \frac{1}{8}, \frac{10}{8}, \dots, \frac{14}{4}, \frac{1}{8}, \frac{3}{8}, \dots, \frac{14}{8}, \frac{1}{8}, \frac{3}{8}, \dots, \frac{14}{8}, \frac{1}{8}, \frac{3}{8}, \dots, \frac{14}{8}, \frac{1}{8}, \dots, \frac{14}{8}, \frac{1}{8}, \dots, \frac{14}{8}, \frac{1}{8}, \dots, \frac{14}{8}, \dots, \frac{14}{8$$

$$80m = 2m + (n-1)3m$$

$$78m = 3mn - 3m$$

①
$$U_1 = 19$$
 $U_{15} = 31.60$

$$U_n = U_1 + (n-1)d$$

 $31.6 = 19 + (14)d$
 $12.6 = 14d$
 $0.9 = d$

(2)
$$U_{10} = 37$$

 $U_{21} = 4$
 $U_{10} + 11d = U_{21}$
 $37 + 11d = 4$
 $11d = -33$
 $cl = -3$

(3)
$$3, x, 8, ...$$

 $3+2d=8$
 $2d=5$
 $d=2.5$
 $3+2.5=x$
 $5.5=x$

$$4$$
) $m, 13, 3m-6, ...$
 $m+d=13$
 $\Rightarrow d=13-m$
 $m+d=3m-6$
 $\Rightarrow d=3m-19$
 $8e+=$
 $13-m=3m-19$
 $+19+m+19$
 $32=4m$
 $8=m$