

$a, 9, 13, 17$

$d = 4$

1- 9

$r_{n+1} = r_1$ (ب)

r_{n+1} (الف)

1 ✓

$r_{n+2} \Rightarrow$ ج

$\frac{1}{r} (r + r^2) = r$

1910 - 2

$19 \times r + 1 = 117$

$r_{n+1} = r_1$ ✓

r_1, r_2, r_3, r_4

$17 \times r + 1 = 129$

$\frac{1}{r} (117 + 129) = r$

1910 - 3

$r - \sqrt{r} - r = 1 - \sqrt{r} = d$

$r d - r r = r$

$r \times (1 - \sqrt{r}) = r - r \sqrt{r}$

1910 - 4

$a = d^m, r_x(d^{\frac{m}{x}}), d^y$

$(r_x d^{\frac{m}{x}}) - d^m = d^y - (r_x d^{\frac{m}{x}}) \Rightarrow d \times r d^{\frac{m}{x}} = d^y \Rightarrow r_{x+1} = y$

1910 - 5

$b = x, r, y$

$r - x = y - r \Rightarrow y = r - x$

$r - x = r_{x+1}$

$x = 1, y = r$

$x, y = r$

$r_{n-1} - r - r_{n+1} = r_{n-1} - r_{n+1} \Rightarrow r_{n+1} = r \Rightarrow x = \frac{1}{r}$

$d = r, r \times \frac{1}{r} + r = r$

1910 - 6

$a_n = r, d, V \Rightarrow a_n = r_{n+1} \rightarrow a_r = r_1$

$a_n \cap b_n = r_{n-1}$

$r_{n-1} \leq r_1$

1910 - 7

$b_n = r, d, V \Rightarrow b_n = r_{n-1} \rightarrow b_r = d^9$

$n \leq V$

1910 - 8

$a_1 + a_r + a_r = r_1$

$a_r = \frac{r_1}{r} = V$

$a_1 + V + r d = r_1$

1910 - 9

$a_1 + a_r + a_d = 1 + d$

$a_r = \frac{1+d}{r} = r d$

$a_1 = -r_1$

$\frac{a_r - a_r + a_1}{a_1} = \frac{r d - V - r_1}{-r_1} = -\frac{1}{r}$

$a_1 + a_r + a_r = 12$

$a_r = d$

$a_1 + d + a_1 + r d = 12 \Rightarrow r a_1 + r d = 12$

1910 - 10

$a_r + a_d = r d$

$a_1 + r d + a_1 + r d = r d \Rightarrow r a_1 + V d = r d \Rightarrow d = r, a_1 = r$

$a_1 = a_r + a_d$

$d + r r = 19$

Subject:

Year:

Month:

Day:

$$S_q = r S_w \quad \frac{q}{r} (r a_1 + 1 d) = q \left(\frac{r}{r} (r a_1 + r d) \right) \Rightarrow q a_1 + r q d = r v a_1 + r v d$$

$$1 \wedge a_1 = q d \quad a_1 = \frac{d}{r}$$

$$\frac{a_r}{a_v} = \frac{a_1 + 1 q d}{a_1 + r d} = \frac{\frac{r q d}{1}}{\frac{d + 1 r d}{r}} = \frac{r q d}{1 r d} = r$$

$$a_1 = 11 \quad a_v = r d \quad d_n = \frac{a_v - a_1}{v - 1} = \frac{r d - 11}{r} = r$$

$$b_1 = r n \quad b_n = 1 r \quad a_n = r n + v \quad a_f = 1 r + v = r r$$

$$a_f = b_f \quad b_f = r r \quad ~~b_n = r n~~ \quad d_b = \frac{b_f - b_1}{r - 1} = \frac{r r - r n}{r} = - d$$

$$a_f = b_f \quad \frac{1 r r}{-d} = d = \text{value}$$

$$r = \frac{b - 1}{a - 1}$$