Νο 3

$a_1 + a_1 + d = 10$

$2a_1 + d = 10 \longrightarrow 8.5$

$2a = 8.5 \quad a_1 = 4.25$

$a_1 + 2d - a_1 = 3$

$2d = 3$

$d = 1.5$

$\frac{40}{2}(8.5 + 58.5)$

④

$\frac{a_1(1-r^n)}{1-r}$

①+② $a_1+a_3+a_5+\cdots+a_{19} = 13+17$

$\underbrace{a_1+a_3+\cdots+a_{19}}_{10\text{ terms}} = 30$

$a_1(1+r^2+r^4+\cdots+r^{18})$

$a_1\left(1+\frac{r^2(1-r^9)}{1-r}\right) = 30$

$30 + a_{19} = 13$

$a_{19} = -17$

(5) $r = 2$

$S_n = \frac{a_1(1-r^n)}{1-r}$

$510 = \frac{2(1-2^n)}{2-1}$

$510 = -2(1-2^n)$

$-255 = 1-2^n$

$-256 = -2^n$

$2^n = 256$

$2^n = 2^8$

$n = 8$

6 $\frac{d}{dt} = \frac{-4}{(t+1)^2}$ | $= -0.5$

$$\frac{dy}{dt} = \frac{-4}{(t+1)^2}$$

$$= \frac{-4}{(3+1)^2}$$

$$= \frac{-4}{16}$$

8

$$\frac{25}{100}A = \frac{12.5}{100}B$$

$$25A = 12.5B$$

$$B = 2A$$

$$120 = \frac{75A}{100} + \frac{87.5}{100}B$$

$$120 = \frac{75A}{100} + \frac{87.5}{100}(2A)$$

$$75A + 175A$$

$B = 2A$

$$120 = \frac{75A + 175A}{100}$$

$$120 = \frac{250}{100}A$$

$$120 = 2.5A$$

$$A = 48$$

$$B = 2(48)$$

$$B = 96$$

$$96 + 48 = 144$$

ข้อ 17 (ผณ + เด็ก) + ผบ = 6) 4 กรณี

ผบ = 24

$\frac{4}{6} \times 100 = 66.67$

ข้อ 18

$63a + 14b + c = 486$

$(7 \times 9)a + (7 \times 2)b + c = 486$

$(63 \times 7) + (14 \times 3) + 3 = 486$

$(7\times9)a + (7\times2)b + c = 486$

$7(9a+2b) = 486 - c$

$9a + 2b = \frac{486-c}{7}$

19

6 เป็นหลักหน่วย — 8 & 1 = 9 (ไม่สนใจ)

6 อยู่หน้า — 1 & 3 = 3

แยกๆ

$1+8+3 = 12$

$\frac{12}{99}$

LO

ลูกฟ้า $8 \times 7 = 56$

$$\frac{56}{21 \times 20} = \frac{56}{420} = \frac{2}{15}$$

12 $P(A) = \{\emptyset, \{\emptyset\}, \{0\}, \{\{0\}\}, \{\{\emptyset\}\}$

$P(A) - A = 16 - 3 = 13$

$A - P(A) = 1$