25 9 18
26 12 18
26 13 16

1 2 ③ ④ ⑤ 6 ⑦ ⑧ 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

⑪

①
1 4 6
5 15 10
7 ? 9 → 18
→ 23 + 13 = 26
→ 5 + x
23 + y

J, L, M แนว

θ → 3 ช่อง   R เติม P ๆ Q2
E ต้องกลม

③ 77 + 12 = 89
   77 − 12 = 65 } 64.26%

④ 89 + 12 = 101
   65 − 12 = 53 } 64.26 + (13.59)2

⑦ $S = $ พท.ใต้กราฟ $= \left(\dfrac{120 + 60}{2}\right)(12) = \dfrac{180 \cdot 6 = 1080}{120}$ M

∴ $V_{เฉลี่ย} = \dfrac{1080}{120} = 9$ m/s

⑧ $640 = 2^7 \times 5$
   ∴ $7 \times 4.5 \cdot 10^9$ ปี
   3.15×10^{10} ปี

⑨

	เชียงราย	สตูล	หนองคาย	ภูเก็ต	แม่ฮ่องสอน
พร้าว	✓	✓			
เฟื่อง		✓	✓	✓	✓
ม่วง			✓	✓	
แป๋ง	✓	✓			

⑩ 6 10 14 30 46 66 90
      4 8 12 16 20 24

(12) 10 14 19 27 44

$A + B + C = 10$

$4A + 2B + C = 14$ $9A + 3B + C = 19$

$3A + B = 4$ $C = 7$

     $A + B = 3$

     $2A = 1$

     $A = 0.5 \quad B = 2.5$

(18)
C F D B G A E
1 2 3 4 5 6 7

(20)
	S	M	L
เสื้อ	ใหญ่	เขา	ฟ้า
กางเกง	เขา	ดำ	ขาว
รองเท้า	ดำ	ฟ้า	ดำ

(23)
$\dfrac{5 \text{ mol}}{dm^3} \rightarrow \dfrac{0.5 \text{ mol}}{dm^3} \times 1 = 0.5 \text{ mol}$

∴ ได้ $\dfrac{0.5}{5} = 0.1 \text{ dm}^3$

$C_1 V_1 = C_2 V_2$

$5(V) = 0.5(1000)$

$V = 100$

(27)
$dL = 10^{-1} L$

$= \dfrac{L}{10}$

$\dfrac{2.2 \text{ mg}}{2 \times 10^{-2} \cdot dL} = \dfrac{220}{2} = 110 \text{ mg/dL}$

$\dfrac{3.1}{4 \times 10^{-2}} = \dfrac{310}{4} = 77.5 \text{ mg/dL}$

(25)
$\dfrac{W}{1.6^2} = 25$

∴ $W = 64 \text{ kg}$

56 kg

(26) $350 \text{ mg} \rightarrow \dfrac{350 \text{ mg}}{20 \text{ mg}} \times 1 \text{ mL} = 17.5 \text{ mL}$

(30) $350 \times 0.975 = 341.25 +$

4

(1) $x^{\log_5(x^2)} = \dfrac{25}{x^3}$

$\log_5\left(x^{3 + 2\log_5 x}\right) \qquad = \log_5 25 = 2$

$(3 + 2\log_5 x)(\log_5 x) = 2$

$3t + 2t^2 = 2$

$t = -2, \dfrac{1}{2}$

$\log_5(x) = -2, \dfrac{1}{2}$

$x = \dfrac{1}{25}, \sqrt{5}$

$\sqrt{\dfrac{x - 1}{3}} = f(g(x)) = 3(g(x) + 1$

$(3(g(x) + 1))^2 = \dfrac{x - 1}{3}$

$3\left(9(g(x))^2 + 6(g(x)) + 1\right) = x - 1$

$27(g(x))^2 + 18g(x) + 4 - x = 0$

(3) $1 \leq x - \dfrac{3}{7} < 7$
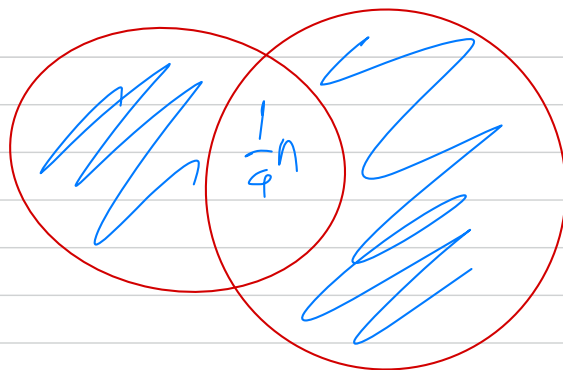
$\dfrac{10}{7} < x < \dfrac{52}{7}$

$2 \leq x < 7$

$A = n$

$B = 2n$

$2n + n - \frac{1}{4}n = \frac{11}{4}n = n(A \cup B)$

$(A - B) \cup (B - A) = \left(\frac{11}{4} - \frac{1}{4}\right)n = 120$

$n = \frac{120 \times 4}{10} = 48$

$\therefore A \cup B = \frac{48 \cdot 11}{4} = 132$

$y = C = 16$

$-2(x^2 - 6x + 9) + 16 - 16$

$A16 + B4 + 16 = 0$

$4A + B = -4$

$d(-2x^2 + 12x - 16) = -4x + 12 = 0$

$x = 3$

$y =$

$4A + 2B + 16 = 0$

$2A + B = -8$

$\Big\}$

$2A = 4$

$A = 2 \quad B = +12$

$6 \qquad d\left(\dfrac{6}{t+1}\right) = -\dfrac{6}{(t+1)^2} = -\dfrac{6}{16} = -0.35$

$\dfrac{2^{n+1} - 1}{2 - 1} = 2$

$512 = 2^9$

$n = 8$

$5 \qquad 15 = a_1 + a_3 + \dots + a_{19}$

$-2 = a_2 + \dots + a_{20}$

(9)

$a_3 - a_1 = 3$

$a_4 - a_2 = 3$

$a_3 + a_4 = 6 + 10 = 16$

$a_5 - a_3 = 3$

$a_6 - a_4 = 3$

$a_5 + a_6 = 6 + 16 = 22$

$a_7 + a_8 = 6 + 22 = 28$

$$A_1 + A_2 + \ldots + A_{20} = \underbrace{10}_{4+6} + \underbrace{16}_{4+6(2)} + 22 + 28 + \ldots \underbrace{4 + 6(20)}_{124}$$

$$= 4(20) + 6\left(\frac{20(21)}{2}\right) = \begin{array}{l} 60 + 60(21) \\ = 1260 + 80 \\ = 1340 \end{array}$$