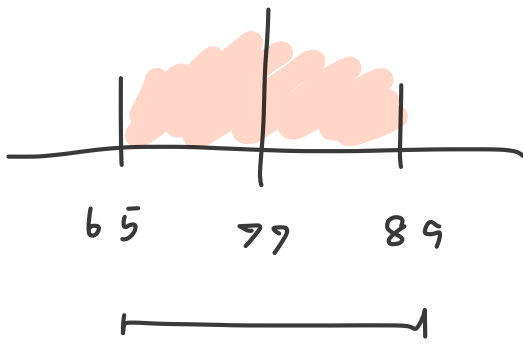
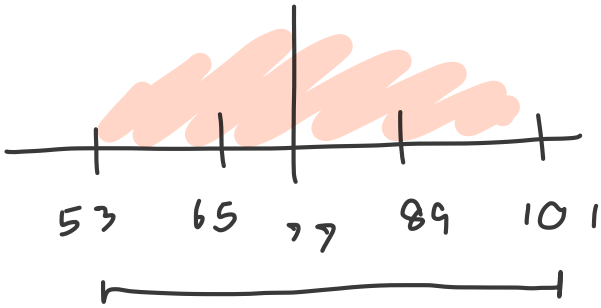


1.) $\mu = 77$
 $\sigma = 12$



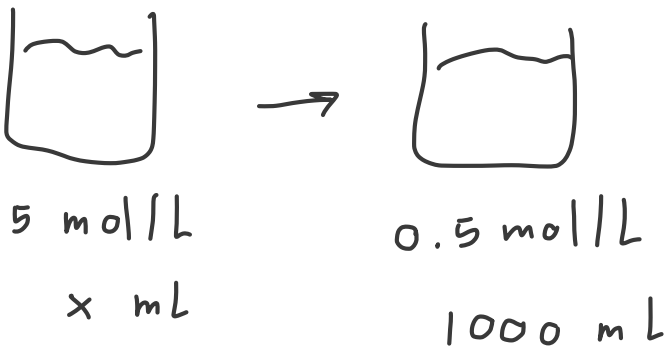
$34.13 \times 2 = 68.26 \%$

2.)



$(34.13)(2) + (13.59)(2)$
 $= 95.44 \%$

3.)



$5(x) = 0.5(1000)$
 $x = \frac{0.5(1000)}{5}$
 $= 100 \text{ mL}$

4.)

$\lambda = 6.70 \times 10^{-7} \text{ m}$

$2.2 \text{ mg} \rightarrow 2 \text{ mL}$

$3.1 \text{ mg} \rightarrow 4 \text{ mL}$

$2.2 \text{ mg} \quad 0.02 \text{ dL}$

$3.1 \text{ mg} \quad 0.04 \text{ dL}$

$\lambda = 110 \text{ mg} \quad 1 \text{ dL}$

$\sigma = 77.5 \text{ mg} \quad 1 \text{ dL}$

5.)

$BMI = \frac{W}{h^2}$

$25 = \frac{W}{1.6^2}$

$W = 64 \text{ kg}$

$64 - 8 = 56$

b.)

$1 \text{ kg} \rightarrow 1000 \text{ mg}$

$50 \text{ kg} \rightarrow 50000 \text{ mg}$

$20 \text{ mg} = 1 \text{ mL}$

$350 \text{ mg} = 17.5 \text{ mL}$

7.)

01 น 66 ครึ่ง / นาที

10 น 76 ครึ่ง / นาที

60 น 52 ครึ่ง / นาที

07 น 85 ครึ่ง / นาที

↓ น 60 - 100

8.

BMR = 66 + (13.7 x kg) + (5 x cm) - (6.8 x age)

BMR = 665 + (9.6 x kg) + (11.8 x cm) - (4.7 x age)

120 cm BMR = 1387.6 -> 1907.95

150 cm BMR = 1407.3 -> 1688.76

180 cm BMR = 1866.6 -> 2893.23

9. a x d = kg / m^2

- A = 22 16 ...
B = 30.56 ...
C = 27.31 ...

10. sucrose 4g -> 80 C 350 mL rho = 0.975

0.975 = m / 350 ... = 1.17 %

11. V = S / t S = 1/2 (160 + 120) 12

S = V t = 1080 V = 1080 / 120 = 9 m/s

15

5 7 4 8 3 9

I

16

~~A~~ ~~B~~ ~~C~~ ~~D~~ E ~~F~~ G

u → w

C F D B E E
G G A

3

17

$$5 + 6 = 11$$

18

01 9 0 4 47 8 2

1

20

620

21

24

262

x 2

γ

11

2

ny

0

1967

0

2

x

2

6801 2

$$(2) \quad x^{\log_5 x^2} = \frac{25}{x^3}$$

$$x^{2 \log_5 x} = \frac{25}{x^3}$$

$$2 \log_5 x = \log_x \frac{25}{x^3}$$

$$2 \log_5 x = \log_x 25 - \log_x x^3$$

$$2 \log_5 x = \log_x 25 - 3$$

$$2 \frac{1}{\log_x 5} = 2 \log_x 5 - 3$$

$$2 = 2(\log_x 5)^2 - 3$$

$$\sqrt{\frac{5}{2}} = \log_x 5$$

$$\sqrt{\frac{5}{2}} = \frac{1}{\log_5 x}$$

$$\log_5 x = \sqrt{\frac{2}{5}}$$

$$x = 5^{\sqrt{\frac{2}{5}}}$$

$$\textcircled{3} \quad f(g(x)) = 3x^2 + 1$$

$$f(g(0)) = 3(0)^2 + 1$$

$$= 4$$

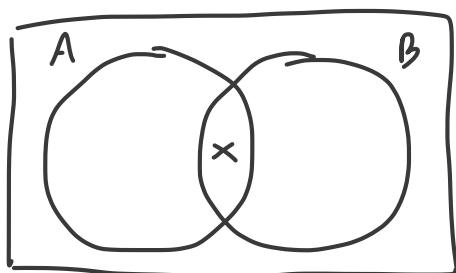
$$\textcircled{4} \quad 1 - x < -\frac{3}{7} < 7 - x$$

$$1 < x - \frac{3}{7} < 7$$

$$\frac{10}{7} < x < \frac{52}{7}$$

$$1. < x < 7.$$

⑤.



$$A \cup B > 120$$

⑥

$$\frac{dN}{dt} = \frac{d}{dt} \frac{8}{t+1}$$

$$= \frac{(t+1) \frac{d}{dt} 8 - 8 \frac{d}{dt} (t+1)}{(t+1)^2}$$

$$= \frac{(t+1) - 8(1)}{(t+1)^2} = \frac{4 - 8}{4^2} = -\frac{1}{4}$$

$$= -0.25$$

(12) ୧ ୩ ୩

 (6) (7) (8)

(13) 6 16 26 36 46 56 76 86 96

 60 62 64 66 68

(14) $63a + 14b + c = 486$

(16) ଶୁଣ୍ଠ (1) (2) (3) (4) (5)

 ଶିଳ୍ପ 2

 ଶିଳ୍ପ 2

 ଶିଳ୍ପ 2

(17) $50(600) = a \times b$

 50 600 300 × 100

 / \ / \

 5 10 60 10

(18)



$\frac{140}{100} 800 = 1120 \rightarrow 278 \text{ (କମ୍ପ୍ୟୁଟର)}$

$1120 = \text{କମ୍ପ୍ୟୁଟର} \times \frac{50}{100}$

କମ୍ପ୍ୟୁଟର = 2240

19.

19

65

$n = 669696$

20
21

62

┌──────────┐

60

$$\frac{20 + 21}{2} = \frac{62 + 60}{2} = 61$$
