$2 + 2^2 + 2^3 + 2^4 + \dots 2^n = 510$

$2 + 4 + 8 + 16 + 32 + 64 + 128 + 2^n = 510$

$254 + 2^n = 510$

$2^n = 256$

$2^8 = 128 \times 2 = 256$

$\log_2 2^n = \log_2 256$

$n = \log_2 256$

$x = 8$

$a_n \quad a_{n+1} \quad a_{n+2}$ (d, d)

$a_1 + a_2 = 10$

$a_1 + (a_1 + d) = 10$

$2a_1 + d = 10$

$2a_1 + \frac{3}{2} = 10$

$2a_1 = \frac{20}{2} - \frac{3}{2} = \frac{17}{2}$

$a_1 = \frac{17}{4}$

$a_{n+2} - a_n = 3$

$a_n + 2d - a_n = 3$

$2d = 3$

$d = \frac{3}{2}$

$\frac{40(39)}{2} = 780$

$1 + 2 + 3 + \dots 39$

$a_1 + (a_1 + d) + (a_1 + 2d) + (a_1 + 3d)$

$40a_1 + 780d = 40\left(\frac{17}{4}\right) + 780\left(\frac{3}{2}\right)$

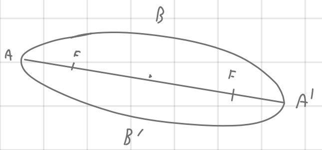
$= 170 + 1170$

1170
170
1340

ขอบเฉียง

แกนหลัก y

$\frac{(x-3)^2}{9} + \frac{(y-5)^2}{25} = 1$



$(h,k) = (3,5)$

$a = 3$

$b = 5$

$c = \sqrt{25-9} = 4$

$F(3,9) \quad (3,1)$

$F_1 \quad F_2$

$F_1, (0,5)$

$(3,9) \quad (0,5)$

$m = \frac{4}{3}, \quad y - 5 = \frac{4}{3}x$

$3y - 15 = 4x$

$4x - 3y + 15 = 0$

$12 - 3 + 15$

$\frac{4(3) - 3(1) + 15}{5} = 24/5$

$2b = 50(600)$

$= 30{,}000$

$f(x) = 3x + 1$

$(f \circ g)'(x) = 3x^2 + 1$

$f(g'(x)) = 3x^2 + 1$

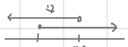
$1 - x < -\frac{3}{7}$

$1 - x + \frac{3}{7} < 0 \qquad -\frac{3}{7} < 7 - x$

$\frac{10}{7} - x < 0 \qquad x < 7 + \frac{3}{7}$

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

$x > \frac{10}{7}$



$10/7 \quad 52/7$

≈1.4 7.4

2, 3, 4, 5, 6, 7

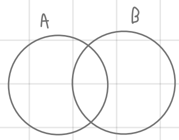
ทุน 800 กำไร 40%

100 140

800 $\frac{140}{100} \times 800 = 1120$

ทุน 100 ขาย 1120

$\frac{2}{100}(1120) \cdot 50 = 2240$



$n[(A-B) \cup (B-A)] = 120$

$n[(A \cup B) - (A \cap B)] = 120$

$n(A \cap B) = x$

$n(A) = 4x$

$n(B) = 8x$

$3x + 7x = 120$

$x = 12$

120
12 +
132

N = 40

ต.น. med $= \frac{(40+1)}{2} = \frac{41}{2} = 20.5$

ต.น. 20 = 62

21 = 60

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

51

8

9