

$$2(2^0 + 2^1 + 2^2 + \dots + 2^{h-1}) = 510$$

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

$$a_1 = 2$$

$$r = 2$$

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

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

$$255 = 2^h - 1$$

$$2^h = 256$$

$$h = 8$$

$$\frac{2}{3} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$$

$$n(A \cap B) + n(A \cap C) + n(B \cap C) - n(A \cap B \cap C) - n(A) - n(B) - n(C) + n(A \cap B \cap C)$$

$$\frac{4}{7} = \frac{2}{2} = \frac{6}{3} \quad n\left(\frac{1}{2} - \frac{1}{3}\right) = \frac{1}{3}$$

$$n\left(\frac{1}{2} - \frac{1}{3}\right) = \frac{1}{3}$$

$$2 = n(A - B \cap C) + n(B \cap C - A) = n(A - B \cap C) + n(B \cap C - A)$$

$$\frac{1}{a} \frac{1}{b} \frac{1}{c} \left[ \frac{2}{3} \left( \frac{1}{a} + \frac{1}{b} + \frac{1}{c} \right) = 1 \right]$$

$$\frac{1}{a} - \frac{1}{b} = \frac{1}{c} \left[ \frac{1}{a} + \frac{1}{b} + \frac{1}{c} \right] = 1$$

$$\frac{24}{a} = 1 \quad \frac{1}{a} + \frac{1}{c} = \frac{1}{b} \quad \frac{1}{a} + \frac{1}{c} = \frac{1}{b}$$

$$a \cdot b = 50 \times 100 = 24$$

$$a \cdot b = 30000$$

$$2a + n(A \cap B) \cdot x$$

$$2^2 \times 2 \times n(A) \cdot 4x$$

$$4x \quad 50 \leq n(B) \cdot 2x$$

$$600 \leq n(A+B) \cdot 2x$$

$$\frac{20}{100} A = x \quad n = 77x = 72$$

$$\frac{20}{100} A = x \quad 2^2 \times 2 \times 4 \cdot 5x$$

$$\frac{25}{100} A = x$$

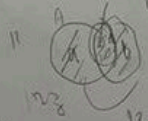
$$n = 41x$$

$$2a + 2x = b + x$$

$$x = b - 2a = 200$$

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

$$\frac{A}{B} = \frac{1}{2} \quad A = 2B$$



A=1

C=7

A=8

13  
411  
931

55  
42  
13

486  
13  
423

25

63  
424  
378  
106  
58

14  
2  
441  
75  
42

13

14  
2  
441  
75  
42

1210

191  
14

11  
10  
12

11  
10

234517  
933

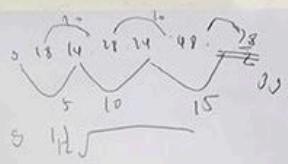
$$7C - \frac{1}{7} + x \quad \frac{1}{7} + x < 7$$

$$x > \frac{10}{7} - 1 \quad x < \frac{52}{7}$$

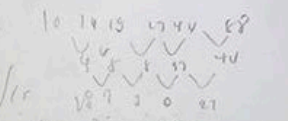
1120  
2240  
-8 = 0  
ab

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

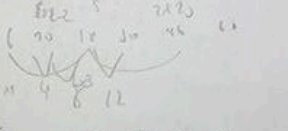
$\begin{matrix} 8 \\ 5 \\ 7 \end{matrix}$ 
 $\begin{matrix} 10 \times 2 \\ 10 \times 2 \\ 10 \times 2 \end{matrix}$ 
 $\begin{matrix} 30 \times 2 \times 5 \\ 30 \times 2 \times 5 \\ 30 \times 2 \times 5 \end{matrix}$



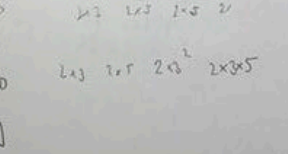
$\begin{matrix} 9 \\ 13 \end{matrix}$ 
 $\begin{matrix} 12 \\ 12 \end{matrix}$ 
 $\begin{matrix} 25 \\ 25 \end{matrix}$ 
 $\begin{matrix} 2 \times 5 \\ 2 \times 5 \\ 2 \times 5 \end{matrix}$



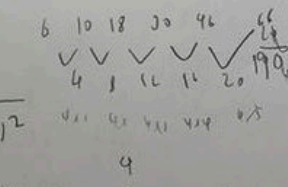
$\begin{matrix} 8/5 \\ 10 \end{matrix}$ 
 $\begin{matrix} 11 \\ 12 \end{matrix}$ 
 $\begin{matrix} 13 \\ 14/15 \end{matrix}$



$\begin{matrix} 5 \\ 7 \\ 4 \\ 8 \\ 3 \\ 5 \end{matrix}$ 
 $\begin{matrix} 13 \\ 1 \\ 2 \\ 6 \end{matrix}$ 
 $\begin{matrix} 25 \\ 13 \\ 25 \end{matrix}$



$\begin{matrix} 4 \\ 5 \\ 8 \end{matrix}$ 
 $\begin{matrix} 7 \\ 0 \\ 9 \end{matrix}$



$$12 = \sqrt{\frac{50000 \times 77 (X - 77)^2}{65555}}$$

$4 \times 5$ 
 $4 \times 7$ 
 $4 \times 75$ 
 $4 \times 75$

$2^2$ 
 $84$ 
 $84$

$\frac{68}{16}$ 
 $\frac{16}{68}$

