

① સંભાવના [પાનાની]

"અને" → 0 → Ans

અથવા હોલ તો $\frac{4}{13}$ આવે.

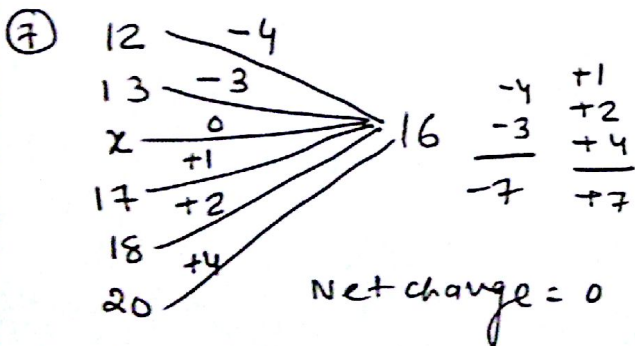
② $I = \frac{PRN}{100}$

③ $14 \times 4 - 8 \times 3 = 56 - 24 = 32$

④ $10(x+1) + (x-1)$
 $= 10x + 10 + x - 1$
 $= 11x + 9$

⑤ 30 અને 60 પૂર્ણવર્ગ નથી.
 1600 ને 3 વડે ભાગી શકાય નહિ.
 3600

⑥ 5 મૂ.કિ = 4 વે.કિ.
 5 વે.કિ 4 મૂ.કિ.
 4 → 1 $\frac{100 \times 1}{4} = 25 \text{ ગમે.}$
 10 → ?



$x = 16$

⑧ $(a^6)^3 (b^4)^7 = a^{18} b^{28}$

⑨ $P(A) = 0.36$
 $P(\bar{A}) = 1 - 0.36 = 0.64$

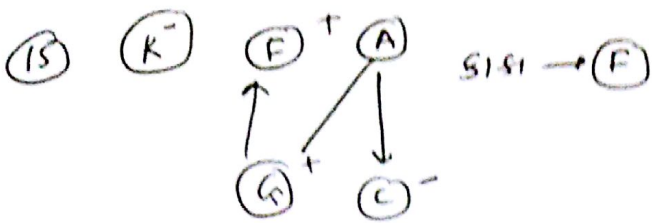
⑩ $\frac{x}{3} = 4 \Rightarrow x = 12$
 $\frac{16}{y} = 4 \Rightarrow y = 4$
 $x + y = 12 + 4 = 16$

⑪ ગુણ = $\frac{n(n-1)}{2}$
 $= \frac{12 \times (12-1)}{2}$
 $= \frac{12 \times 11}{2} = 66$

⑫ $S_n = \frac{n}{2}(a+1)$
 $500 = \frac{n}{2}(5+45)$
 $\frac{500 \times 2}{50} = n$
 $20 = n$

⑬
 987 → leaves are green
 455 → green is good
 839 → They are playing
 leaves → 7

⑭ $t = \frac{400}{90 \times \frac{5}{18}} = \frac{400}{25} = 16 \text{ sec}$



21) $6x : x \downarrow +5$

$$x+5 = \frac{1}{3}(6x)$$

$$x+5 = 2x$$

$$5 = x$$

16) 2001: 8

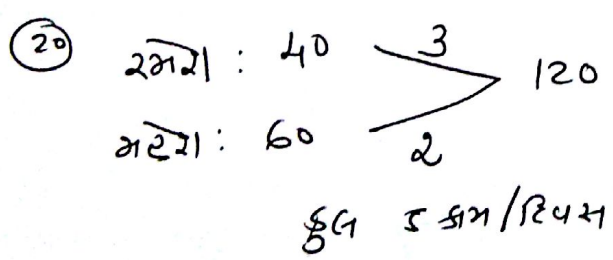
17) 480 અને 352 નો
ગુ. રા. રા. 32

$$\frac{480 \times 352}{32 \times 32} = 15 \times 11 = 165 \text{ ની રા.}$$



→ માત્ર ગણિતમાં ગાણના અંશ છે
માત્ર વિજ્ઞાનમાં પાલ
પરિણામ \Rightarrow 15

19) $\begin{array}{r} 180 \\ -126 \\ \hline 54 \end{array}$ $\begin{array}{r} 90 \\ -54 \\ \hline 36 \end{array}$



$$10 \times 5 = 50$$

$$\text{બાકી રહેલા કમ} = 120 - 50 = 70$$

$$\text{મરમર અંતિમ} = \frac{70}{2} = 35 \text{ રિપસ}$$

22) $(16a^4)^{\frac{1}{2}} \times [(8a^6)^{\frac{1}{2}}]^{\frac{2}{3}}$

$$= [(4a^2)^{\frac{2}{2}}]^{\frac{1}{2}} \times [(2a^2)^3]^{\frac{1}{2}}]^{\frac{2}{3}}$$

$$= 4a^2 \times [(2a^2)^{\frac{3}{2}}]^{\frac{2}{3}}$$

$$= 4a^2 \times (2a^2)^{3/2 \times 2/3}$$

$$= 4a^2 \times 2a^2$$

$$= \boxed{8a^4}$$

23) $A \rightarrow 2+6$
 $F \rightarrow 2+3$
 $G \rightarrow 2+0 \rightarrow \begin{array}{c} 2 \\ \boxed{Y} \end{array} \text{ or } \begin{array}{c} 1+1 \\ \boxed{P} \end{array}$

અહીં logical Ans \boxed{Y} થાય