Tarefa Básica

01- 5! - 3b! e 2 d

$\frac{5}{5} \cdot \frac{2}{4!} \cdot \frac{4}{3!} \cdot \frac{3!}{2!} = \frac{6}{10} \div 2 = \frac{3}{5}$ (B)

02- $A = \{(2,1),(1,2)\} = 2$ $N(A)$ $\quad B = \{(5,1),(1,5),(4,2),(2,4),(3,3)\} = 5$ $N(B)$

$A \cap B = \emptyset$ $\quad \frac{2}{36} + \frac{5}{36} - \frac{0}{36} = \frac{7}{36}$ (C)

03- $P(A \cup B) = P(A) + (P(B) - (P(A \cap B)$

$1 = 0,95 + 0,08 - P(A \cap B)$

$P(A \cap B) = 1,03 - 1$

$P(A \cap B) = 0,03 = 3\%$

04- 900 Numeros

450 pares / 180 multiplo 5 / 90 multiplo de 10

360 não termina em 0 — 90 termina em 5 — resto não é par e nem

360/90 = 0,4% — 0,1% — multiplo por 5 -> 0,4%

$0,4 \cdot 0,8 + 0,1 \cdot 0,5 + 0,4 \cdot 0,9 = 0,73 = 73\%$

05- $\frac{7! \cdot 4!}{10!} = \frac{120960}{3628800} = \frac{1}{30}$ (C)

06- $P_{g1} = \frac{1}{8}$ $\quad P_{g2} = \frac{3}{8}$ $\quad P_{g3} = \frac{3}{8}$ $\quad P_{g4} = \frac{1}{8}$

$P_{g1} \cdot P_{g1} = \frac{1}{64}$ $\quad P_{g2} \cdot P_{g2} = \frac{9}{64}$ $\quad P_{g3} \cdot P_{g3} = \frac{9}{64}$ $\quad P_{g4} = \frac{1}{64}$

$\frac{1}{64} + \frac{9}{64} + \frac{9}{64} + \frac{1}{64} = \frac{20}{64} \div 2 = \frac{10}{32} \div 2 = \frac{5}{16}$ (D)

07- 10d -> 45

dia 5 -> {(6, 7, 11, 12 e 14)} = 5

dia 10 -> {(11, 12 e 14)} = 3

dia 13 -> {(14)} = 1

5+3+1 = 9

$\frac{9}{45} \div 9 = \frac{1}{5}$ (C)

08- 5 -> {(3,2), (2,3)} = 2

9

$P = \frac{3}{9} \cdot \frac{3}{9} + \frac{3}{9} \cdot \frac{3}{9} = \frac{9}{81} + \frac{9}{81} = \frac{18}{81} \div 9 = \frac{2}{9}$ (D)

09- 20 tp

cada vértice = 2 t -> 6V = 12 t

$P = \frac{12}{20} = \frac{3}{5}$ (C)