Vinicius mesquin 93/19

1-) 5 Bolas Verdes
7 balas Amarelas
12 balas = espaço amostral

$n(s) = 12$ $P = \dfrac{5}{12} \cong 0,42 * 100\% \cong 42\%$

2-) 3 moedas = 2.2.2 = 8 tipos de
Combinação

$n(s) = 8$ $E = (c,c,c), (k,k,k)$
$n(E) = 2$ possibilidades
$\dfrac{n(E)}{n(s)} = \dfrac{2}{8} \cong 0,25 * 100\% = 25\%$

3-) 20% - Chance de Gravidez

$\dfrac{80}{100} \cdot \dfrac{80}{100} \cdot \dfrac{80}{100} \cdot \dfrac{20}{100} = \dfrac{1024}{10,000} = 0,1024$

$0,1024 * 100\% = 10,24\%$

4-) 2 Am , 5 Az , 7 Vd

$n(s) = 14$ $\quad$ $Am = P = \dfrac{2}{14} \cong 0,143^* \, 100\% = 14,3\%$

$Vd = P = \dfrac{7}{14} = 0,5^* \, 100\% = 50\% \quad \searrow P = 64,3\%$
$\qquad\qquad\qquad\qquad + 14,3\%$

5-)

$n(s) = 28$ $\quad \{(0, 3\text{ou} 4) \, (1, 3/4)(2, 3/4), (3, 3/4), (4, 3/4)$
$\qquad\qquad (5, 3/4) \, (6, 3/4)\}$

$\dfrac{7}{28} + \dfrac{7}{28} - \dfrac{1}{28} = \dfrac{13}{28} \cong 0,46^* \, 100\% \cong 46\%$

6-) 4 Verdes / 4 Azuis / 4 Vermelhas / 4 Brancas

$n(s) = 16$ $\quad P = \dfrac{4}{16} \cdot \dfrac{4}{15} \cdot \dfrac{4}{14} \cdot \dfrac{4}{13}$

$P = \dfrac{256}{43680} \cong 0,0058^* \, 100\%$

$P \cong 0,6\%$

7-) $2000 A = n(s)$

$$\left\{\begin{array}{l} 500 \text{ In} \\ 300 \text{ Exp} \\ 200 \text{ Oa 2} \end{array}\right.$$

$P = \dfrac{200}{500} = 0,4\% * 100 = \boxed{40\%}$

8-) $n(s) = 15$

$/3 = \{3, 6, 9, 12, 15\} * /4 = \{4, 8, 12\}$

$\dfrac{5}{15} + \dfrac{3}{15} - \dfrac{1}{15} = \dfrac{7}{15} \simeq 0,466 * 100\%$

$$\boxed{P \simeq 46,6\%}$$