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Exercícios Probabilidade
Matemática

1) 1, 3, 5, 7, 9, 11, 13, 15, 17, 19

$$\frac{10}{20} \cdot \frac{9}{19} = \frac{90}{380} = \frac{9}{38}$$

resposta: $\frac{9}{38}$ letra A

2) 2, 4, 6

$$\frac{3}{6} = \frac{1}{2}$$

resposta: $\frac{1}{2}$ letra D

3) 1000 = 100%

170 = 17% → 44% mulheres

44% de 170 = 74,8

$$\frac{74,8}{1000} = 0,0748$$ → arredondando ≅ 0,075   resposta: 0,075 letra B

4) 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37

$$C_2^{12} = \frac{12!}{2!(12-2)!} = \frac{12!}{2! \, 10!} = \frac{12 \cdot 11 \cdot 10!}{2! \, 10!} = \frac{12 \cdot 11}{2} = \frac{132}{2} = 66$$

(3,5), (5,7), (11,13), (17,19)(29,31) = 5

$$\frac{5}{66}$$

resposta: $\frac{5}{66}$ letra B

5) $99 = 3 + (x-1)3$

$99 = 3 + 3x - 3$

$3x = 99$

$x = \dfrac{99}{3}$

$x = 33$

$\dfrac{33}{99} = \dfrac{1}{3}$

resposta: $\dfrac{1}{3}$ letra B

6) $(3,4), (4,3), (5,2), (2,5), (6,1), (1,6)$

$6 \cdot 6 = 36$

$6/36 = \dfrac{1}{6}$

resposta: $\dfrac{1}{6}$ letra c