

## Tarefa básica

### 1. (Fuvest)

$$P = \frac{10}{20} \cdot \frac{9}{19} = \frac{9}{38} \quad (A)$$

### 2. (Uel)

$$P = \frac{3^3}{6^3} = \frac{1}{2} \quad (d)$$

### 3. (Vunesp)

$$17\% \text{ de } 1000 = 170 \quad (b)$$

$$44\% \quad || \quad = 74,8$$

$$P = \frac{74,8}{1000} = 0,0748 \approx 0,075$$

4. (Mack)

$$\text{C}_{12}^2 = \frac{12!}{2!(12-2)!} = \frac{12!}{2!10!} = \frac{12 \cdot 11 \cdot \cancel{10!}}{2 \cdot \cancel{10!}} = \frac{132}{2} = 66$$

$$(3,5); (5,7); (11,13); (17,19); (29,31) = 5_{//}$$

$$P = 5 \quad (b)$$

$$66$$

5. (Mack)

$$89 = 3 + (n-1)3$$

$$89 = 3 + 3n - 3$$

$$3n = 89$$

$$n = 89/3 = 33_{//}$$

$$P = \frac{33^{33}}{33^{33}} = \frac{1}{3} \quad (b)$$

6. (Mack)

$$(1,6); (6,1); (2,5); (5,2); (3,4); (4,3) = 6 \text{ cases} \quad 6^2 = 36$$

$$P = \frac{6^{36}}{36^{36}} = \frac{1}{6_{//}} \quad (c)$$