Tarefa

1-

• 2 números naturais distintos ⇒ 1 a 20

$$P = \left(\frac{10}{20}\right) \cdot \left(\frac{9}{19}\right)$$

$$P = \left(\frac{1}{2}\right) \left(\frac{9}{19}\right) = P = \frac{9}{38}$$ |A|

2-

• 6 lados

$$n(S) = 6 \mid \{1, 2, 3, 4, 5, 6\} \rightarrow n(d) = 3$$

$$P \cdot d = \frac{3}{6} = \frac{1}{2}$$ |D|

3-

1000 100	170 100	1000 100
X × 17	x × 44	75 × x

$17000 = 100x$ $7480 = 100x$ $7500 = 1000x$

$x = \frac{17000}{100} = 170$ $x = \frac{7480}{100} = 74,8$ $x = \frac{7500}{1000} = 7,5\%$ ou $0,075$

|B|

4-

• em uma sequência de 1 a 40

$\{2,3,5,7,11,13,17,19,23,29,31,37\}$

$C_{12,2} = \dfrac{12!}{10! \, 2!} = \dfrac{12.11.10}{10! \, 2!} = \dfrac{12.11}{2.1} = \dfrac{132}{2} = 66$

$N|a = \dfrac{?}{66}$

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

$N|a = \boxed{\dfrac{5}{66}}$ $\boxed{B}$

5-

$99 = 3 + (n-1)3$	$P = \dfrac{33}{99} = \boxed{\dfrac{1}{3}}$ $\quad\boxed{B}$
$99 = 3 + 3n - 3$	
$3n = 99$	
$n = \dfrac{99}{3} = 33$	

6-) $A = \{(1,6)(6,1)(2,5)(5,2)(3,4)(4,3)$

$m(A) = 6$

$m(5) = 6.6 = 36$

$P(A) = \dfrac{m(A)}{m(5)} = \dfrac{6}{36} = \boxed{\dfrac{1}{6}}$ $\boxed{C}$