

COMPITO A

(1)

(a) Le mol. che III 4 sia $Aa = 1$ perché ha una figura Aa con $mob = 1$ e il morso esterno = AA

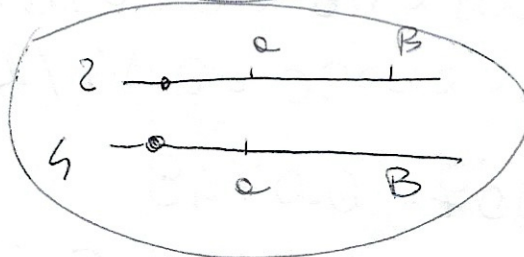
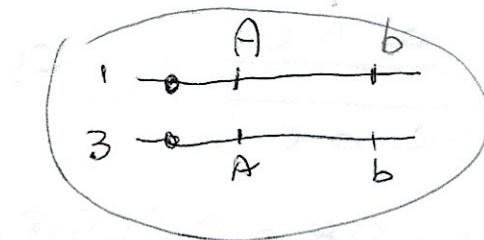
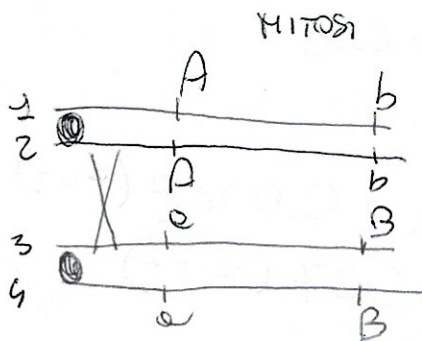
(b) $P_{\text{meleto}} = \frac{1}{2} \times 1 \times \frac{1}{4} = \frac{1}{8}$

$P_{\text{SANO}(A)} = \frac{7}{8}$

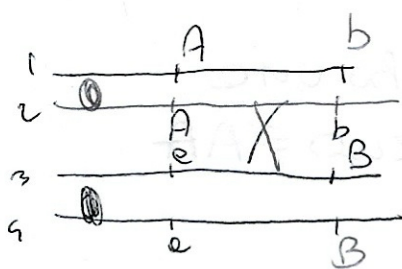
$$\left. \begin{array}{l} SSM = \frac{7}{8} \times \frac{7}{8} \times \frac{1}{8} \\ MSS = \frac{1}{8} \times \frac{7}{8} \times \frac{7}{8} \\ SMS = \frac{7}{8} \times \frac{1}{8} \times \frac{7}{8} \\ SSS = \frac{7}{8} \times \frac{7}{8} \times \frac{7}{8} \end{array} \right\} \begin{array}{l} 3 \times \left(\frac{7}{8}\right)^2 \times \frac{1}{8} = 3 \times \frac{49}{512} = 0.28 \\ \left(\frac{7}{8}\right)^3 = \frac{343}{512} = 0.66 \end{array}$$

$P = 0.28 + 0.66 = 0.95$

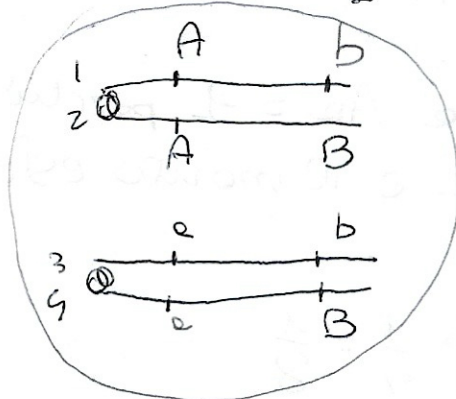
(2)



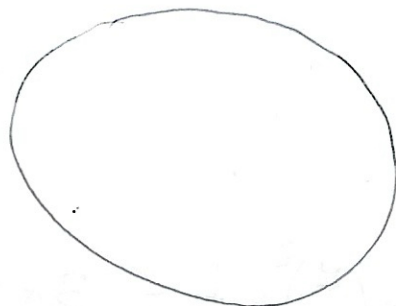
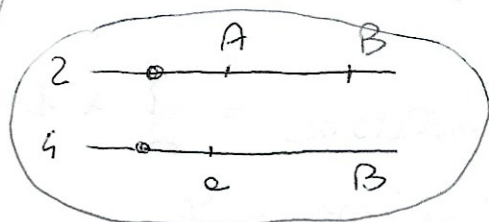
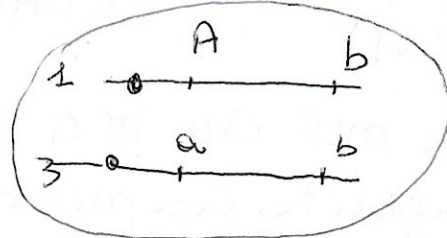
MEIOSIS



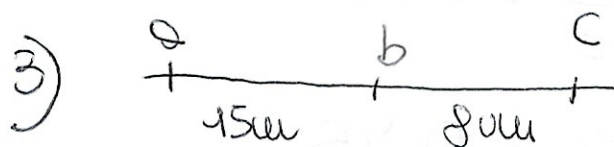
ND MEIOSIS I



AMETI



oppose 1+4 e 2+3
(AMETI)



$$\frac{+ + +}{a b c} \times \frac{a b c}{a b c}$$

$$cc = 0.8$$

$$Dopp1 = 0.15 + 0.08 \times 0.8 = 0.0096 / 2 = 0.0048 (+b+)$$

$$Se Ireg = 0.15 - 0.0096 = 0.14 / 2 = 0.07 (a++)$$

$$P = 0.0048 + 0.07 = 0.0748$$

$$0.0748 \times 4500 = 336.6 (a \text{ e } b)$$

$$(b) \frac{+++}{abc} \times \frac{+++}{7}$$

meschw feneolups c

$$\text{ScII} 008 - 0.0096 = 0.0704 / 2 = 0.0352$$

$$P_{\sigma(e)} = 0.0352 \times 250 = 8.8$$

$$4) q = \sqrt{\frac{1}{10'000}} = 0.01 \quad p = 0.99$$

$$p^2 = (0.99)^2 = 0.98$$

$$2pq = 2 \times 0.99 \times 0.01 = 0.0198$$

$$p = \left(\frac{2pq}{p^2 + 2pq} \right)^2 \times \frac{1}{4}$$

$$p = \left(\frac{0.0198}{0.98 + 0.0198} \right)^2 \times \frac{1}{4} = \left(\frac{0.0198}{0.99} \right)^2 \times \frac{1}{4} =$$

$$= 0.0001$$

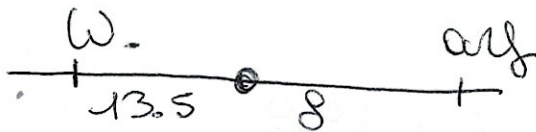
5) $w \text{ arg } x \text{ } ++$

(a)

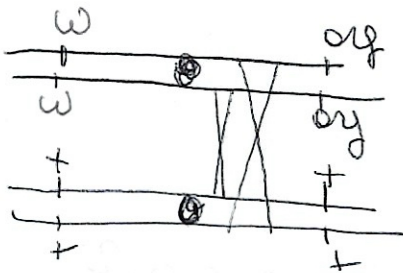
$$d_{w-cen} = \frac{1}{2} \left(\frac{15+2+10}{100} \right) = 0.135 = 13.5 \text{ uen}$$

$$d_{\text{arg-cen}} = \frac{1}{2} \left(\frac{14+2}{100} \right) = 0.08 = 8 \text{ uen}$$

$$d_{w-\text{arg}} = \frac{1 + 1/2(14+15+2+10)}{100} = 21.5$$



(b)



$w \text{ } +$
 $w \text{ } +$
 $+ \text{ arg}$
 $+ \text{ arg}$