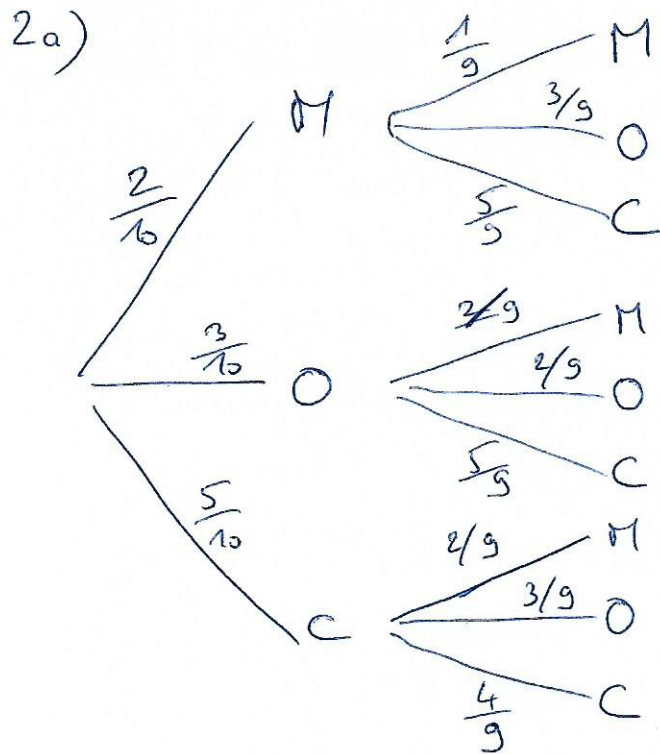


Conectar D59

Exercice 1

1) $P(M) = \frac{2}{10} = \frac{1}{5}$

$P(O) = \frac{3}{10}$ $P(C) = \frac{5}{10} = \frac{1}{2}$



b) $P(M; M) = \frac{2}{10} \times \frac{1}{9}$
 $= \frac{2}{90} = \frac{1}{45}$

c) $P(O; O) = \frac{3}{10} \times \frac{2}{9} = \frac{6}{90}$

$P(C; C) = \frac{5}{10} \times \frac{4}{9} = \frac{20}{90}$

$P(\hat{m} \text{ gout}) = \frac{2}{90} + \frac{6}{90} + \frac{20}{90}$
 $= \frac{28}{90}$

$P(\text{gout différent}) = 1 - \frac{28}{90}$
 $= \frac{62}{90}$
 $= \frac{31}{45}$

Exercice 2

1)

temps (en min)	2	
volume (en L)	12	240

$2 \times 240 \div 12 = 40 \text{ min}$

2) $5 \text{ min } 30 \text{ s} = 5,5 \text{ min}$

2	5,5	$5,5 \times 12 \div 2$ $= 33 \text{ L}$
12		

3) Débit = $\frac{\text{volume}}{\text{temp}} = \frac{12}{120} = 0,1 \text{ L/s}$

4) $3 \text{ m}^3 = 3000 \text{ L}$

volume (L)	0,1	3000
temp (s)	1	

$3000 \text{ L en } 30000 \text{ s}$
 $= 500 \text{ min}$
 $= 8 \text{ h } 20 \text{ min}$

Exercice 3

1) $v = \frac{d}{t} = \frac{11}{3,4} \approx 3 \text{ km/h}$

2) $v = \frac{d}{t}$
 $8 = \frac{d}{0,75}$

$d = 8 \times 0,75$
 $= 6 \text{ km}$

3) $v = \frac{d}{t}$
 $2 = \frac{0,750}{t}$

$t = 0,375 \text{ h}$
 $= 22,5 \text{ min}$
 $= 22 \text{ min } 30 \text{ s}$