

1.  $\frac{x}{5} = 7,4 \Leftrightarrow x = 37$

$$\frac{37+y}{6} = 7,2 \Leftrightarrow y = 6,2$$

O jurado atribuiu, no mínimo, 6,3 pontos.

2.

2.1 130 km/h

2.2 100 km/h

2.3  $\frac{1}{4} \times 500 = 125$

2.4  $100 - 85 = 15$

3.  $\frac{9}{18+x} = \frac{3}{8} \Leftrightarrow x = 6$

Devem juntar-se ao grupo seis rapazes.

4.

4.1 A – 1; B – 3; C – 3; D – 2

4.2 a) A e C                      b) A e B ou B e C

5.

5.1 a)  $\frac{8}{24} = \frac{1}{3}$

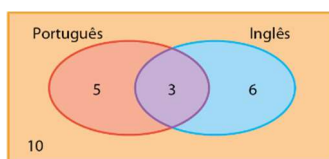
b)  $\frac{4}{24} = \frac{1}{6}$

c)  $\frac{8}{24} = \frac{1}{3}$

5.2  $\frac{5}{15} = \frac{1}{3}$

6.

6.1



6.2  $\frac{5}{24}$

7.  $\frac{9}{16}$

8.

8.1  $f(2) = 2 \times 2 = 4$      $A(2, 4)$

8.2  $4 = \frac{k}{2} \Leftrightarrow k = 8$

8.3  $3 \times (2 \times 1) + 2 \times \frac{8}{4} = 10$

9.  $k = 15 \times 21 = 315$

$$\frac{315}{9} = 35$$

Demorarão 35 dias.