

total 12 puntos.

Guía 3: Operatoria básica con racionales

Ejercicio h, ítem I

$$\frac{7}{4} + 3, \overline{2} = \frac{7}{4} + \frac{32-3}{9} = \frac{7 \cdot 9}{4 \cdot 9} + \frac{29 \cdot 4}{9 \cdot 4} = \frac{63}{36} + \frac{116}{36} = \frac{179}{36}$$

Ejercicio e, ítem IV

$$A = 1,5$$

$$B = -\frac{2}{5}$$

$$C = 3, \overline{5}$$

$$D = -1,2$$

e. $B : (A \cdot C)$

$$\begin{aligned} -\frac{2}{5} : (1,5 \cdot 3, \overline{5}) &= -\frac{2}{5} : \left(\frac{3}{2} \cdot \frac{35-3}{9} \right) = -\frac{2}{5} : \left(\frac{1}{2} \cdot \frac{16}{3} \right) \\ &= -\frac{2}{5} : \left(\frac{16}{3} \right) = -\frac{2}{5} \cdot \frac{3}{16} = -\frac{3}{40} \end{aligned}$$

Ejercicio d, ítem V

$$0,2 + 1\frac{1}{4} - 0,4 \cdot \frac{2}{5}$$

$$= 0,2 + \frac{5}{4} - \frac{4}{9} \cdot \frac{2}{5}$$

$$= \frac{1}{5} + \frac{5}{4} - \frac{8}{45} = \frac{4}{20} + \frac{25}{20} - \frac{8}{45} = \frac{29}{20} - \frac{8}{45}$$

$$= \frac{261}{180} - \frac{32}{180} = \frac{229}{180}$$