

1º ESO REPASO FRACCIONES SOLUCIONES

① Ordenar $\frac{2}{3}, \frac{5}{12}, \frac{1}{9}$

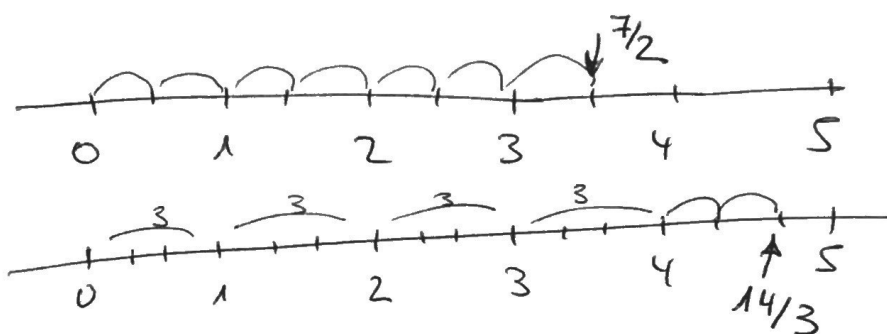
$$\begin{array}{r} 3 \overline{) 3} \quad 12 \overline{) 2} \quad 9 \overline{) 3} \\ 1 \quad 4 \quad 3 \\ 3 \quad 12 \quad 3 \end{array} \rightarrow \frac{24}{36}, \frac{15}{36}, \frac{4}{36}$$

M.C.M. = $2^2 \cdot 3^2 = 36$

Ordenados

$$\left[\begin{array}{ccc} \frac{4}{36} < \frac{15}{36} < \frac{24}{36} \\ \parallel & \parallel & \parallel \\ \frac{1}{9} < \frac{5}{12} < \frac{2}{3} \end{array} \right]$$

②



③ a) $x = \frac{2 \cdot 10}{4} = \frac{20}{4} = 5$ b) $x = \frac{6 \cdot 10}{5} = 12$

④ a) $\frac{9}{14} + \frac{1}{4} = \frac{18}{28} + \frac{7}{28} = \frac{25}{28}$

$\begin{array}{l} 14 = 2 \cdot 7 \\ 4 = 2 \cdot 2 \end{array} \left\{ \begin{array}{l} m.c.m = 28 \end{array} \right.$

b) $\frac{5}{8} - \frac{7}{12} + \frac{1}{4} = \frac{15}{24} - \frac{14}{24} + \frac{6}{24} = \frac{7}{24}$

$m.c.m = 24$

c) $\frac{3}{5} \cdot \frac{2}{7} = \frac{6}{35}$ d) $\frac{4}{5} : \frac{2}{7} = \frac{28}{10} = \frac{14}{5}$

e) $\frac{1}{6} - \frac{3}{2} \cdot \left(\frac{1}{2} - \frac{2}{5} \right) = \frac{1}{6} - \frac{3}{2} \cdot \left(\frac{5}{10} - \frac{4}{10} \right) = \frac{1}{6} - \frac{3}{2} \cdot \frac{1}{10} = \frac{1}{6} - \frac{3}{20} =$

$\downarrow$
 $\frac{10}{60} - \frac{9}{60} = \frac{1}{60}$

$\begin{array}{l} 6 = 2 \cdot 3 \\ 20 = 2 \cdot 2 \cdot 5 \end{array} \left\{ \begin{array}{l} m.c.m = 60 \end{array} \right.$