

Vypočítejte

$$\frac{\left(\frac{3}{7} - 1\frac{1}{2}\right) : \frac{3}{8}}{\left(\frac{2}{3}\right)^2 \cdot \left(-\frac{1}{7}\right)}$$

Vypočítejte

$$\frac{\left(\frac{3}{7} - 1\frac{1}{2}\right) : \frac{3}{8}}{\left(\frac{2}{3}\right)^2 \cdot \left(-\frac{1}{7}\right)}$$

Řešení

$$\begin{aligned} & \frac{\left(\frac{3}{7} - 1\frac{1}{2}\right) : \frac{3}{8}}{\left(\frac{2}{3}\right)^2 \cdot \left(-\frac{1}{7}\right)} = \frac{\left(\frac{3}{7} - \frac{3}{2}\right) \cdot \frac{8}{3}}{\frac{4}{9} \cdot \left(-\frac{1}{7}\right)} = \\ & = \frac{\frac{6 - 21}{7} \cdot \frac{8}{3}}{-\frac{4}{63}} = \frac{-\frac{20}{7} \cdot \frac{8}{3}}{-\frac{4}{63}} = \\ & = \frac{-\frac{20}{7}}{-\frac{4}{63}} = \frac{\sqrt{20} \cdot \frac{63}{7}}{\frac{4}{7}} = \underline{\underline{45}} \end{aligned}$$