

Vypočítejte

$$\frac{2}{5} \cdot 0,5 + \left(\frac{1}{4}\right)^2 : \frac{3}{8}$$

$$\frac{2}{3} \cdot \frac{1}{4} \cdot \left(-\frac{2}{5}\right)$$

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Řešení

$$\frac{2}{5} \cdot 0,5 + \left(\frac{1}{4}\right)^2 : \frac{3}{8} = \frac{\frac{2}{5} \cdot \frac{5}{10} + \frac{1}{16} : \frac{3}{8}}{\frac{2}{3} \cdot \frac{1}{4} \cdot \left(-\frac{2}{5}\right)} = \frac{\frac{2}{5} \cdot \frac{5}{10} + \frac{1}{16} \cdot \frac{8}{3}}{\frac{2}{3} \cdot \left(-\frac{2}{5}\right)} =$$

$$= \frac{\frac{2}{5} + \frac{1}{6}}{-\frac{4}{15}} = -\frac{\frac{6+5}{30}}{\frac{4}{15}} =$$

$$= -\frac{\frac{11}{30}}{\frac{4}{15}} = -\frac{11}{30} \cdot \frac{15}{4} = -\frac{11}{2} = -5,5$$

$$= \underline{\underline{-5\frac{1}{2}}}$$