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| **41. Složený zlomek**Složený zlomek je zlomek, který má v čitateli či jmenovateli (nebo v obojím) zase zlomek. Složený zlomek lze nahradit podílem (dělením) zlomků.Složený zlomek nahrazuje závorky $$\left(\frac{2}{3}+\frac{1}{4}\right):\left(\frac{3}{4}-\frac{1}{2}\right)=\frac{  \frac{2}{3}+\frac{1}{4}  }{\frac{3}{4}-\frac{1}{2}} $$Př.$$\frac{  \frac{2}{3}  }{\frac{1}{7}}=\frac{2}{3}:\frac{1}{7}=\frac{2}{3}.\frac{7}{1}=\frac{14}{3} $$$$\frac{  \frac{2}{3}+\frac{1}{4}  }{\frac{3}{4}-\frac{1}{2}}=\frac{  \frac{8+3}{12}  }{\frac{3-2}{4}}=\frac{  \frac{11}{12}  }{\frac{1}{4}}=\frac{11}{12}:\frac{1}{4}=\frac{11}{12}.\frac{4}{1}=\frac{11}{12}.\frac{4}{1}=\frac{11}{3}$$$$\frac{ -1\frac{5}{7}. \left(\frac{1}{6}-\frac{3}{4}\right)  }{1-\frac{1}{7}.1\frac{3}{4}}=\frac{ -\frac{12}{7} .\frac{2-9}{12}  }{1-\frac{1}{7}.\frac{7}{4}}=\frac{ -\frac{12}{7} .\left(\frac{-7}{12}\right)  }{1-\frac{1}{4}}=\frac{1}{1}.\frac{4}{3}=\frac{4}{3}=1\frac{1}{3}$$1) Vypočítejte:$$a) \frac{  \frac{2}{5}  }{\frac{3}{7}}= e) \frac{ \frac{4}{7}  }{\frac{5}{7}}=$$$$b) \frac{  \frac{1}{3}  }{\frac{5}{6}}= f) \frac{  \frac{2}{3}  }{5}=$$$$c) \frac{  \frac{12}{25}  }{\frac{18}{35}}= g) \frac{  7  }{\frac{21}{2}}=$$$$d) \frac{  \frac{21}{26}  }{\frac{14}{13}}= h) \frac{- \frac{3}{4} }{\frac{9}{8}}=$$3) Vypočítejte:$$a) \frac{  \frac{1}{3}-1}{0,25-\frac{2}{3}}=$$$$b) \frac{  0,3+\frac{2}{5}  }{2 .  \frac{3}{7}}=$$$$c) \frac{  1+\frac{3}{5}  }{2-\frac{3}{10}}=$$$$d) \frac{  0,75-1\frac{1}{3}  }{\frac{1}{6}+0,5}=$$$$e) \frac{  \frac{6}{7}-1,5}{0,8-1\frac{1}{4}}=$$$$f) \frac{  0,7. \frac{1}{2}  }{3-1\frac{4}{5}}=$$$$g) \frac{  1-\frac{2}{3}.\frac{4}{5}}{2\frac{4}{5}}=$$$$h) \frac{  \frac{1}{3}-1,25 }{1\frac{4}{5}+0,2}=$$ | 2) Vypočítejte:$$a) \frac{  \frac{1}{5}+\frac{3}{4}  }{\frac{11}{10}}=$$$$b) \frac{  \frac{2}{7}+\frac{2}{3}  }{\frac{3}{5}-\frac{3}{7}}=$$$$c) \frac{\frac{2}{5}+\frac{3}{4}}{\frac{3}{10}-1}=$$$$d) \frac{  \frac{2}{3}-\frac{3}{5}  }{\frac{1}{4}.\frac{3}{5}}=$$$$e) \frac{  \frac{9}{10}-\frac{11}{15}  }{3.\frac{2}{11}}=$$$$f) \frac{  \frac{2}{9}+\frac{1}{6}  }{\frac{3}{4}-\frac{1}{3}}=$$$$g) \frac{\frac{5}{6}-\frac{5}{7}}{-3-2}=$$$$h) \frac{  \frac{2}{15}-\frac{1}{6}  }{1-\frac{3}{5}}=$$4) Vypočítejte:$$a) \frac{  1\frac{1}{3}:0,4}{1,1-\frac{2}{5}}=$$$$b) \frac{1\frac{1}{5}-0,7-\frac{1}{3}}{\frac{3}{7}:2}=$$$$c) \frac{0,25+2.\frac{2}{5} }{\frac{1}{2}.\left(1-\frac{7}{8}\right)}=$$$$d) \frac{  0,8-\frac{8}{9}  }{\frac{13}{15}+\left(-1\frac{2}{3}\right)}=$$$$e) \frac{  0,05-\left(-\frac{1}{8}\right)}{1\frac{2}{5}.\left(-\frac{3}{8}\right)}=$$$$f) \frac{  -\frac{1}{4}.0,6 }{-\frac{1}{6}+1\frac{2}{5}}=$$$$g) \frac{  \frac{1}{4}.10-2\frac{2}{5}}{1,2-\left(+\frac{3}{4}\right)}=$$$$h) \frac{  \frac{1}{2}.0,01 }{0,04 . 100}=$$ |
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