



SČÍTÁNÍ ZLOMKŮ A SMÍŠENÝCH ČÍSEL (M-V-07-06)

Sečti dané zlomky a zlomky se smíšenými čísly.

$$1) 2 + \frac{6}{7} = \frac{2 \cdot 7 + 6}{7} = \frac{14 + 6}{7} = \frac{20}{7} = 2 \frac{6}{7}$$

$$2) 1 \frac{2}{3} + 4 = \frac{3 \cdot 1 + 2}{3} + \frac{4 \cdot 3}{3} = \frac{5}{3} + \frac{12}{3} = \frac{17}{3} = 5 \frac{2}{3}$$

$$3) 3 \frac{1}{2} + 5 \frac{3}{4} = \frac{3 \cdot 2 + 1}{2} + \frac{5 \cdot 4 + 3}{4} = \frac{6 + 1}{2} + \frac{20 + 3}{4} = \frac{7}{2} + \frac{23}{4} = \frac{2 \cdot 7 + 23}{4} = \frac{14 + 23}{4} = \frac{37}{4} = 9 \frac{1}{4}$$

$$4) 1 \frac{5}{7} + \frac{13}{14} = \frac{1 \cdot 7 + 5}{7} + \frac{13}{14} = \frac{12}{7} + \frac{13}{14} = \frac{2 \cdot 12 + 13}{14} = \frac{24 + 13}{14} = \frac{37}{14} = 2 \frac{9}{14}$$

$$5) \frac{9}{10} + 2 \frac{2}{15} = \frac{9}{10} + \frac{2 \cdot 15 + 2}{15} = \frac{9}{10} + \frac{32}{15} = \frac{3 \cdot 9 + 2 \cdot 32}{30} = \frac{27 + 64}{30} = \frac{91}{30} = 3 \frac{1}{30}$$

$$6) 3 \frac{3}{7} + 1 \frac{1}{14} = \frac{3 \cdot 7 + 3}{7} + \frac{1 \cdot 14 + 1}{14} = \frac{24}{7} + \frac{15}{14} = \frac{2 \cdot 24 + 15}{14} = \frac{48 + 15}{14} = \frac{63}{14} = 4 \frac{7}{14} = 4 \frac{1}{2}$$

$$7) \frac{3}{5} + \frac{7}{10} + \frac{2}{25} = \frac{10 \cdot 3 + 5 \cdot 7 + 2 \cdot 2}{50} = \frac{30 + 35 + 4}{50} = \frac{69}{50} = 1 \frac{19}{50}$$

$$8) 1 \frac{2}{3} + \frac{3}{4} + \frac{5}{6} = \frac{3 \cdot 1 + 2}{3} + \frac{3}{4} + \frac{5}{6} = \frac{5}{3} + \frac{3}{4} + \frac{5}{6} = \frac{4 \cdot 5 + 3 \cdot 3 + 2 \cdot 5}{12} = \frac{20 + 9 + 10}{12} = \frac{39}{12} = 3 \frac{3}{12} = 3 \frac{1}{4}$$

$$9) \frac{3}{8} + 2 \frac{1}{6} + \frac{3}{12} = \frac{3}{8} + \frac{2 \cdot 6 + 1}{6} + \frac{3}{12} = \frac{3}{8} + \frac{13}{6} + \frac{3}{12} = \frac{3 \cdot 3 + 4 \cdot 13 + 2 \cdot 3}{24} = \frac{9 + 52 + 6}{24} = \frac{67}{24} =$$

$$= 2 \frac{19}{24}$$

$$10) 3 \frac{1}{2} + \frac{5}{6} + \frac{4}{9} = \frac{3 \cdot 2 + 1}{2} + \frac{5}{6} + \frac{4}{9} = \frac{7}{2} + \frac{5}{6} + \frac{4}{9} = \frac{9 \cdot 7 + 3 \cdot 5 + 2 \cdot 4}{18} = \frac{63 + 15 + 8}{18} = \frac{106}{18} =$$

$$= 5 \frac{16}{18} = 5 \frac{8}{9}$$