Addition/Subtraktion von Brüchen mit ungleichem Nenner

Aufgaben

1) $\dfrac{7}{5} + \dfrac{5}{8} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

2) $\dfrac{9}{6} + \dfrac{6}{4} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

3) $\dfrac{8}{7} + \dfrac{7}{4} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

4) $\dfrac{8}{7} + \dfrac{7}{6} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

5) $\dfrac{9}{7} + \dfrac{6}{6} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

6) $\dfrac{5}{9} + \dfrac{9}{7} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

7) $\dfrac{3}{6} + \dfrac{6}{8} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

8) $\dfrac{8}{8} + \dfrac{8}{7} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

9) $\dfrac{8}{6} - \dfrac{3}{7} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

10) $\dfrac{4}{5} - \dfrac{4}{6} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

11) $\dfrac{7}{5} - \dfrac{6}{6} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

12) $\dfrac{9}{5} - \dfrac{7}{6} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

13) $\dfrac{8}{6} - \dfrac{5}{8} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

14) $\dfrac{9}{8} - \dfrac{3}{7} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

15) $\dfrac{6}{5} - \dfrac{8}{7} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

16) $\dfrac{8}{7} - \dfrac{4}{4} = \underline{\qquad} + \underline{\qquad} = \underline{\qquad}$

Lösung

1) $\dfrac{56 + 25}{40} = \dfrac{81}{40} \quad \underline{\qquad}$

2) $\dfrac{18 + 18}{12} = \dfrac{36}{12} = \dfrac{3}{1}$

3) $\dfrac{32 + 49}{28} = \dfrac{81}{28} \quad \underline{\qquad}$

4) $\dfrac{48 + 49}{42} = \dfrac{97}{42} \quad \underline{\qquad}$

5) $\dfrac{54 + 42}{42} = \dfrac{96}{42} = \dfrac{16}{7}$

6) $\dfrac{35 + 81}{63} = \dfrac{116}{63} \quad \underline{\qquad}$

7) $\dfrac{12 + 18}{24} = \dfrac{30}{24} = \dfrac{5}{4}$

8) $\dfrac{56 + 64}{56} = \dfrac{120}{56} = \dfrac{15}{7}$

9) $\dfrac{56 - 18}{42} = \dfrac{38}{42} = \dfrac{19}{21}$

10) $\dfrac{24 - 20}{30} = \dfrac{4}{30} = \dfrac{2}{15}$

11) $\dfrac{42 - 30}{30} = \dfrac{12}{30} = \dfrac{2}{5}$

12) $\dfrac{54 - 35}{30} = \dfrac{19}{30} \quad \underline{\qquad}$

13) $\dfrac{32 - 15}{24} = \dfrac{17}{24} \quad \underline{\qquad}$

14) $\dfrac{63 - 24}{56} = \dfrac{39}{56} \quad \underline{\qquad}$

15) $\dfrac{42 - 40}{35} = \dfrac{2}{35} \quad \underline{\qquad}$

16) $\dfrac{32 - 28}{28} = \dfrac{4}{28} = \dfrac{1}{7}$