

Aufgaben Blatt 2 Brüche addieren

Aufgaben

Aufgabe 1:

1. $\frac{13}{14} + \frac{1}{2}$
2. $\frac{7}{18} + \frac{7}{9}$
3. $\frac{14}{15} + \frac{2}{3}$
4. $\frac{11}{14} + \frac{5}{7}$
5. $\frac{19}{21} + \frac{3}{7}$
6. $\frac{17}{18} + \frac{1}{2}$
7. $\frac{5}{18} + \frac{5}{6}$
8. $\frac{11}{28} + \frac{6}{7}$
9. $\frac{7}{12} + \frac{3}{4}$
10. $\frac{19}{20} + \frac{3}{4}$
11. $\frac{11}{24} + \frac{2}{3}$
12. $\frac{17}{24} + \frac{7}{8}$
13. $\frac{13}{15} + \frac{1}{3}$
14. $\frac{19}{28} + \frac{3}{4}$
15. $\frac{13}{24} + \frac{5}{8}$
16. $\frac{25}{26} + \frac{7}{13}$
17. $\frac{13}{30} + \frac{11}{15}$
18. $\frac{29}{30} + \frac{1}{6}$
19. $\frac{23}{24} + \frac{3}{8}$
20. $\frac{7}{10} + \frac{4}{5}$

Aufgabe 2:

1. $\frac{11}{24} + \frac{11}{12}$
2. $\frac{19}{24} + \frac{5}{8}$
3. $\frac{13}{14} + \frac{4}{7}$
4. $\frac{23}{24} + \frac{5}{8}$
5. $\frac{11}{12} + \frac{1}{3}$
6. $\frac{25}{28} + \frac{1}{4}$
7. $\frac{11}{28} + \frac{3}{4}$
8. $\frac{13}{30} + \frac{5}{6}$
9. $\frac{13}{18} + \frac{4}{9}$
10. $\frac{19}{22} + \frac{1}{2}$
11. $\frac{13}{22} + \frac{10}{11}$
12. $\frac{29}{30} + \frac{11}{15}$
13. $\frac{13}{24} + \frac{7}{12}$
14. $\frac{7}{20} + \frac{9}{10}$
15. $\frac{16}{21} + \frac{2}{3}$
16. $\frac{19}{26} + \frac{10}{13}$
17. $\frac{19}{22} + \frac{7}{11}$
18. $\frac{29}{30} + \frac{1}{3}$
19. $\frac{19}{24} + \frac{3}{8}$
20. $\frac{11}{15} + \frac{3}{5}$

Aufgabe 3:

1. $\frac{13}{15} + \frac{4}{5}$
2. $\frac{19}{20} + \frac{4}{5}$
3. $\frac{13}{22} + \frac{1}{2}$
4. $\frac{27}{28} + \frac{3}{4}$
5. $\frac{19}{30} + \frac{8}{15}$
6. $\frac{5}{24} + \frac{11}{12}$
7. $\frac{23}{30} + \frac{9}{10}$
8. $\frac{11}{24} + \frac{7}{8}$
9. $\frac{13}{28} + \frac{3}{4}$
10. $\frac{19}{30} + \frac{1}{2}$
11. $\frac{19}{20} + \frac{3}{10}$
12. $\frac{19}{30} + \frac{2}{3}$
13. $\frac{23}{30} + \frac{11}{15}$
14. $\frac{23}{30} + \frac{1}{3}$
15. $\frac{29}{30} + \frac{13}{15}$
16. $\frac{7}{24} + \frac{5}{6}$
17. $\frac{13}{21} + \frac{5}{7}$
18. $\frac{23}{26} + \frac{8}{13}$
19. $\frac{17}{30} + \frac{8}{15}$
20. $\frac{11}{12} + \frac{1}{4}$

Lösungen

Aufgabe 1:

$$1. \frac{13}{14} + \frac{1}{2} = \frac{13}{14} + \frac{1 \cdot 7}{2 \cdot 7} = \frac{13}{14} + \frac{7}{14} = \frac{20}{14} = \frac{10}{7} = 1\frac{3}{7}$$

$$2. \frac{7}{18} + \frac{7}{9} = \frac{7}{18} + \frac{7 \cdot 2}{9 \cdot 2} = \frac{7}{18} + \frac{14}{18} = \frac{21}{18} = \frac{7}{6} = 1\frac{1}{6}$$

$$3. \frac{14}{15} + \frac{2}{3} = \frac{14}{15} + \frac{2 \cdot 5}{3 \cdot 5} = \frac{14}{15} + \frac{10}{15} = \frac{24}{15} = \frac{8}{5} = 1\frac{3}{5}$$

$$4. \frac{11}{14} + \frac{5}{7} = \frac{11}{14} + \frac{5 \cdot 2}{7 \cdot 2} = \frac{11}{14} + \frac{10}{14} = \frac{21}{14} = \frac{3}{2} = 1\frac{1}{2}$$

$$5. \frac{19}{21} + \frac{3}{7} = \frac{19}{21} + \frac{3 \cdot 3}{7 \cdot 3} = \frac{19}{21} + \frac{9}{21} = \frac{28}{21} = \frac{4}{3} = 1\frac{1}{3}$$

$$6. \frac{17}{18} + \frac{1}{2} = \frac{17}{18} + \frac{1 \cdot 9}{2 \cdot 9} = \frac{17}{18} + \frac{9}{18} = \frac{26}{18} = \frac{13}{9} = 1\frac{4}{9}$$

$$7. \frac{5}{18} + \frac{5}{6} = \frac{5}{18} + \frac{5 \cdot 3}{6 \cdot 3} = \frac{5}{18} + \frac{15}{18} = \frac{20}{18} = \frac{10}{9} = 1\frac{1}{9}$$

$$8. \frac{11}{28} + \frac{6}{7} = \frac{11}{28} + \frac{6 \cdot 4}{7 \cdot 4} = \frac{11}{28} + \frac{24}{28} = \frac{35}{28} = \frac{5}{4} = 1\frac{1}{4}$$

$$9. \frac{7}{12} + \frac{3}{4} = \frac{7}{12} + \frac{3 \cdot 3}{4 \cdot 3} = \frac{7}{12} + \frac{9}{12} = \frac{16}{12} = \frac{4}{3} = 1\frac{1}{3}$$

$$10. \frac{19}{20} + \frac{3}{4} = \frac{19}{20} + \frac{3 \cdot 5}{4 \cdot 5} = \frac{19}{20} + \frac{15}{20} = \frac{34}{20} = \frac{17}{10} = 1\frac{7}{10}$$

$$11. \frac{11}{24} + \frac{2}{3} = \frac{11}{24} + \frac{2 \cdot 8}{3 \cdot 8} = \frac{11}{24} + \frac{16}{24} = \frac{27}{24} = \frac{9}{8} = 1\frac{1}{8}$$

$$12. \frac{17}{24} + \frac{7}{8} = \frac{17}{24} + \frac{7 \cdot 3}{8 \cdot 3} = \frac{17}{24} + \frac{21}{24} = \frac{38}{24} = \frac{19}{12} = 1\frac{7}{12}$$

$$13. \frac{13}{15} + \frac{1}{3} = \frac{13}{15} + \frac{1 \cdot 5}{3 \cdot 5} = \frac{13}{15} + \frac{5}{15} = \frac{18}{15} = \frac{6}{5} = 1\frac{1}{5}$$

$$14. \frac{19}{28} + \frac{3}{4} = \frac{19}{28} + \frac{3 \cdot 7}{4 \cdot 7} = \frac{19}{28} + \frac{21}{28} = \frac{40}{28} = \frac{10}{7} = 1\frac{3}{7}$$

$$15. \frac{13}{24} + \frac{5}{8} = \frac{13}{24} + \frac{5 \cdot 3}{8 \cdot 3} = \frac{13}{24} + \frac{15}{24} = \frac{28}{24} = \frac{7}{6} = 1\frac{1}{6}$$

$$16. \frac{25}{26} + \frac{7}{13} = \frac{25}{26} + \frac{7 \cdot 2}{13 \cdot 2} = \frac{25}{26} + \frac{14}{26} = \frac{39}{26} = \frac{3}{2} = 1\frac{1}{2}$$

$$17. \frac{13}{30} + \frac{11}{15} = \frac{13}{30} + \frac{11 \cdot 2}{15 \cdot 2} = \frac{13}{30} + \frac{22}{30} = \frac{35}{30} = \frac{7}{6} = 1\frac{1}{6}$$

$$18. \frac{29}{30} + \frac{1}{6} = \frac{29}{30} + \frac{1 \cdot 5}{6 \cdot 5} = \frac{29}{30} + \frac{5}{30} = \frac{34}{30} = \frac{17}{15} = 1\frac{2}{15}$$

$$19. \frac{23}{24} + \frac{3}{8} = \frac{23}{24} + \frac{3 \cdot 3}{8 \cdot 3} = \frac{23}{24} + \frac{9}{24} = \frac{32}{24} = \frac{4}{3} = 1\frac{1}{3}$$

$$20. \frac{7}{10} + \frac{4}{5} = \frac{7}{10} + \frac{4 \cdot 2}{5 \cdot 2} = \frac{7}{10} + \frac{8}{10} = \frac{15}{10} = \frac{3}{2} = 1\frac{1}{2}$$

Aufgabe 2:

$$1. \frac{11}{24} + \frac{11}{12} = \frac{11}{24} + \frac{11 \cdot 2}{12 \cdot 2} = \frac{11}{24} + \frac{22}{24} = \frac{33}{24} = \frac{11}{8} = 1\frac{3}{8}$$

$$2. \frac{19}{24} + \frac{5}{8} = \frac{19}{24} + \frac{5 \cdot 3}{8 \cdot 3} = \frac{19}{24} + \frac{15}{24} = \frac{34}{24} = \frac{17}{12} = 1\frac{5}{12}$$

$$3. \frac{13}{14} + \frac{4}{7} = \frac{13}{14} + \frac{4 \cdot 2}{7 \cdot 2} = \frac{13}{14} + \frac{8}{14} = \frac{21}{14} = \frac{3}{2} = 1\frac{1}{2}$$

$$4. \frac{23}{24} + \frac{5}{8} = \frac{23}{24} + \frac{5 \cdot 3}{8 \cdot 3} = \frac{23}{24} + \frac{15}{24} = \frac{38}{24} = \frac{19}{12} = 1\frac{7}{12}$$

$$5. \frac{11}{12} + \frac{1}{3} = \frac{11}{12} + \frac{1 \cdot 4}{3 \cdot 4} = \frac{11}{12} + \frac{4}{12} = \frac{15}{12} = \frac{5}{4} = 1\frac{1}{4}$$

$$6. \frac{25}{28} + \frac{1}{4} = \frac{25}{28} + \frac{1 \cdot 7}{4 \cdot 7} = \frac{25}{28} + \frac{7}{28} = \frac{32}{28} = \frac{8}{7} = 1\frac{1}{7}$$

$$7. \frac{11}{28} + \frac{3}{4} = \frac{11}{28} + \frac{3 \cdot 7}{4 \cdot 7} = \frac{11}{28} + \frac{21}{28} = \frac{32}{28} = \frac{8}{7} = 1\frac{1}{7}$$

$$8. \frac{13}{30} + \frac{5}{6} = \frac{13}{30} + \frac{5 \cdot 5}{6 \cdot 5} = \frac{13}{30} + \frac{25}{30} = \frac{38}{30} = \frac{19}{15} = 1\frac{4}{15}$$

$$9. \frac{13}{18} + \frac{4}{9} = \frac{13}{18} + \frac{4 \cdot 2}{9 \cdot 2} = \frac{13}{18} + \frac{8}{18} = \frac{22}{18} = \frac{11}{9} = 1\frac{2}{9}$$

$$10. \frac{19}{22} + \frac{1}{2} = \frac{19}{22} + \frac{1 \cdot 11}{2 \cdot 11} = \frac{19}{22} + \frac{11}{22} = \frac{30}{22} = \frac{15}{11} = 1\frac{4}{11}$$

$$11. \frac{13}{22} + \frac{10}{11} = \frac{13}{22} + \frac{10 \cdot 2}{11 \cdot 2} = \frac{13}{22} + \frac{20}{22} = \frac{33}{22} = \frac{3}{2} = 1\frac{1}{2}$$

$$12. \frac{29}{30} + \frac{11}{15} = \frac{29}{30} + \frac{11 \cdot 2}{15 \cdot 2} = \frac{29}{30} + \frac{22}{30} = \frac{51}{30} = \frac{17}{10} = 1\frac{7}{10}$$

$$13. \frac{13}{24} + \frac{7}{12} = \frac{13}{24} + \frac{7 \cdot 2}{12 \cdot 2} = \frac{13}{24} + \frac{14}{24} = \frac{27}{24} = \frac{9}{8} = 1\frac{1}{8}$$

$$14. \frac{7}{20} + \frac{9}{10} = \frac{7}{20} + \frac{9 \cdot 2}{10 \cdot 2} = \frac{7}{20} + \frac{18}{20} = \frac{25}{20} = \frac{5}{4} = 1\frac{1}{4}$$

$$15. \frac{16}{21} + \frac{2}{3} = \frac{16}{21} + \frac{2 \cdot 7}{3 \cdot 7} = \frac{16}{21} + \frac{14}{21} = \frac{30}{21} = \frac{10}{7} = 1\frac{3}{7}$$

$$16. \frac{19}{26} + \frac{10}{13} = \frac{19}{26} + \frac{10 \cdot 2}{13 \cdot 2} = \frac{19}{26} + \frac{20}{26} = \frac{39}{26} = \frac{3}{2} = 1\frac{1}{2}$$

$$17. \frac{19}{22} + \frac{7}{11} = \frac{19}{22} + \frac{7 \cdot 2}{11 \cdot 2} = \frac{19}{22} + \frac{14}{22} = \frac{33}{22} = \frac{3}{2} = 1\frac{1}{2}$$

$$18. \frac{29}{30} + \frac{1}{3} = \frac{29}{30} + \frac{1 \cdot 10}{3 \cdot 10} = \frac{29}{30} + \frac{10}{30} = \frac{39}{30} = \frac{13}{10} = 1\frac{3}{10}$$

$$19. \frac{19}{24} + \frac{3}{8} = \frac{19}{24} + \frac{3 \cdot 3}{8 \cdot 3} = \frac{19}{24} + \frac{9}{24} = \frac{28}{24} = \frac{7}{6} = 1\frac{1}{6}$$

$$20. \frac{11}{15} + \frac{3}{5} = \frac{11}{15} + \frac{3 \cdot 3}{5 \cdot 3} = \frac{11}{15} + \frac{9}{15} = \frac{20}{15} = \frac{4}{3} = 1\frac{1}{3}$$

Aufgabe 3:

$$1. \frac{13}{15} + \frac{4}{5} = \frac{13}{15} + \frac{4 \cdot 3}{5 \cdot 3} = \frac{13}{15} + \frac{12}{15} = \frac{25}{15} = \frac{5}{3} = 1\frac{2}{3}$$

$$2. \frac{19}{20} + \frac{4}{5} = \frac{19}{20} + \frac{4 \cdot 4}{5 \cdot 4} = \frac{19}{20} + \frac{16}{20} = \frac{35}{20} = \frac{7}{4} = 1\frac{3}{4}$$

$$3. \frac{13}{22} + \frac{1}{2} = \frac{13}{22} + \frac{1 \cdot 11}{2 \cdot 11} = \frac{13}{22} + \frac{11}{22} = \frac{24}{22} = \frac{12}{11} = 1\frac{1}{11}$$

$$4. \frac{27}{28} + \frac{3}{4} = \frac{27}{28} + \frac{3 \cdot 7}{4 \cdot 7} = \frac{27}{28} + \frac{21}{28} = \frac{48}{28} = \frac{12}{7} = 1\frac{5}{7}$$

$$5. \frac{19}{30} + \frac{8}{15} = \frac{19}{30} + \frac{8 \cdot 2}{15 \cdot 2} = \frac{19}{30} + \frac{16}{30} = \frac{35}{30} = \frac{7}{6} = 1\frac{1}{6}$$

$$6. \frac{5}{24} + \frac{11}{12} = \frac{5}{24} + \frac{11 \cdot 2}{12 \cdot 2} = \frac{5}{24} + \frac{22}{24} = \frac{27}{24} = \frac{9}{8} = 1\frac{1}{8}$$

$$7. \frac{23}{30} + \frac{9}{10} = \frac{23}{30} + \frac{9 \cdot 3}{10 \cdot 3} = \frac{23}{30} + \frac{27}{30} = \frac{50}{30} = \frac{5}{3} = 1\frac{2}{3}$$

$$8. \frac{11}{24} + \frac{7}{8} = \frac{11}{24} + \frac{7 \cdot 3}{8 \cdot 3} = \frac{11}{24} + \frac{21}{24} = \frac{32}{24} = \frac{4}{3} = 1\frac{1}{3}$$

$$9. \frac{13}{28} + \frac{3}{4} = \frac{13}{28} + \frac{3 \cdot 7}{4 \cdot 7} = \frac{13}{28} + \frac{21}{28} = \frac{34}{28} = \frac{17}{14} = 1\frac{3}{14}$$

$$10. \frac{19}{30} + \frac{1}{2} = \frac{19}{30} + \frac{1 \cdot 15}{2 \cdot 15} = \frac{19}{30} + \frac{15}{30} = \frac{34}{30} = \frac{17}{15} = 1\frac{2}{15}$$

$$11. \frac{19}{20} + \frac{3}{10} = \frac{19}{20} + \frac{3 \cdot 2}{10 \cdot 2} = \frac{19}{20} + \frac{6}{20} = \frac{25}{20} = \frac{5}{4} = 1\frac{1}{4}$$

$$12. \frac{19}{30} + \frac{2}{3} = \frac{19}{30} + \frac{2 \cdot 10}{3 \cdot 10} = \frac{19}{30} + \frac{20}{30} = \frac{39}{30} = \frac{13}{10} = 1\frac{3}{10}$$

$$13. \frac{23}{30} + \frac{11}{15} = \frac{23}{30} + \frac{11 \cdot 2}{15 \cdot 2} = \frac{23}{30} + \frac{22}{30} = \frac{45}{30} = \frac{3}{2} = 1\frac{1}{2}$$

$$14. \frac{23}{30} + \frac{1}{3} = \frac{23}{30} + \frac{1 \cdot 10}{3 \cdot 10} = \frac{23}{30} + \frac{10}{30} = \frac{33}{30} = \frac{11}{10} = 1\frac{1}{10}$$

$$15. \frac{29}{30} + \frac{13}{15} = \frac{29}{30} + \frac{13 \cdot 2}{15 \cdot 2} = \frac{29}{30} + \frac{26}{30} = \frac{55}{30} = \frac{11}{6} = 1\frac{5}{6}$$

$$16. \frac{7}{24} + \frac{5}{6} = \frac{7}{24} + \frac{5 \cdot 4}{6 \cdot 4} = \frac{7}{24} + \frac{20}{24} = \frac{27}{24} = \frac{9}{8} = 1\frac{1}{8}$$

$$17. \frac{13}{21} + \frac{5}{7} = \frac{13}{21} + \frac{5 \cdot 3}{7 \cdot 3} = \frac{13}{21} + \frac{15}{21} = \frac{28}{21} = \frac{4}{3} = 1\frac{1}{3}$$

$$18. \frac{23}{26} + \frac{8}{13} = \frac{23}{26} + \frac{8 \cdot 2}{13 \cdot 2} = \frac{23}{26} + \frac{16}{26} = \frac{39}{26} = \frac{3}{2} = 1\frac{1}{2}$$

$$19. \frac{17}{30} + \frac{8}{15} = \frac{17}{30} + \frac{8 \cdot 2}{15 \cdot 2} = \frac{17}{30} + \frac{16}{30} = \frac{33}{30} = \frac{11}{10} = 1\frac{1}{10}$$

$$20. \frac{11}{12} + \frac{1}{4} = \frac{11}{12} + \frac{1 \cdot 3}{4 \cdot 3} = \frac{11}{12} + \frac{3}{12} = \frac{14}{12} = \frac{7}{6} = 1\frac{1}{6}$$

Quelle: www.mathe-ist-einfach.de noch mehr Brüche addieren

Mit freundlicher Unterstützung von: Autobett V8 rot mit 7-Zonen Kaltschaummatratze