

Aufgaben Blatt 1 Brüche addieren

Aufgaben

Aufgabe 1:

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

Aufgabe 2:

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

Aufgabe 3:

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

Lösungen

Aufgabe 1:

$$1. \frac{11}{21} + \frac{1}{3} = \frac{11}{21} + \frac{1 \cdot 7}{3 \cdot 7} = \frac{11}{21} + \frac{7}{21} = \frac{18}{21} = \frac{6}{7}$$

$$2. \frac{5}{28} + \frac{1}{4} = \frac{5}{28} + \frac{1 \cdot 7}{4 \cdot 7} = \frac{5}{28} + \frac{7}{28} = \frac{12}{28} = \frac{3}{7}$$

$$3. \frac{13}{24} + \frac{1}{12} = \frac{13}{24} + \frac{1 \cdot 2}{12 \cdot 2} = \frac{13}{24} + \frac{2}{24} = \frac{15}{24} = \frac{5}{8}$$

$$4. \frac{7}{18} + \frac{1}{6} = \frac{7}{18} + \frac{1 \cdot 3}{6 \cdot 3} = \frac{7}{18} + \frac{3}{18} = \frac{10}{18} = \frac{5}{9}$$

$$5. \frac{19}{28} + \frac{1}{4} = \frac{19}{28} + \frac{1 \cdot 7}{4 \cdot 7} = \frac{19}{28} + \frac{7}{28} = \frac{26}{28} = \frac{13}{14}$$

$$6. \frac{17}{28} + \frac{1}{4} = \frac{17}{28} + \frac{1 \cdot 7}{4 \cdot 7} = \frac{17}{28} + \frac{7}{28} = \frac{24}{28} = \frac{6}{7}$$

$$7. \frac{19}{30} + \frac{1}{10} = \frac{19}{30} + \frac{1 \cdot 3}{10 \cdot 3} = \frac{19}{30} + \frac{3}{30} = \frac{22}{30} = \frac{11}{15}$$

$$8. \frac{17}{30} + \frac{1}{10} = \frac{17}{30} + \frac{1 \cdot 3}{10 \cdot 3} = \frac{17}{30} + \frac{3}{30} = \frac{20}{30} = \frac{2}{3}$$

$$9. \frac{7}{24} + \frac{1}{3} = \frac{7}{24} + \frac{1 \cdot 8}{3 \cdot 8} = \frac{7}{24} + \frac{8}{24} = \frac{15}{24} = \frac{5}{8}$$

$$10. \frac{17}{24} + \frac{1}{8} = \frac{17}{24} + \frac{1 \cdot 3}{8 \cdot 3} = \frac{17}{24} + \frac{3}{24} = \frac{20}{24} = \frac{5}{6}$$

$$11. \frac{19}{30} + \frac{1}{5} = \frac{19}{30} + \frac{1 \cdot 6}{5 \cdot 6} = \frac{19}{30} + \frac{6}{30} = \frac{25}{30} = \frac{5}{6}$$

$$12. \frac{13}{24} + \frac{1}{3} = \frac{13}{24} + \frac{1 \cdot 8}{3 \cdot 8} = \frac{13}{24} + \frac{8}{24} = \frac{21}{24} = \frac{7}{8}$$

$$13. \frac{3}{28} + \frac{1}{4} = \frac{3}{28} + \frac{1 \cdot 7}{4 \cdot 7} = \frac{3}{28} + \frac{7}{28} = \frac{10}{28} = \frac{5}{14}$$

$$14. \frac{11}{30} + \frac{1}{6} = \frac{11}{30} + \frac{1 \cdot 5}{6 \cdot 5} = \frac{11}{30} + \frac{5}{30} = \frac{16}{30} = \frac{8}{15}$$

$$15. \frac{11}{20} + \frac{1}{4} = \frac{11}{20} + \frac{1 \cdot 5}{4 \cdot 5} = \frac{11}{20} + \frac{5}{20} = \frac{16}{20} = \frac{4}{5}$$

$$16. \frac{19}{30} + \frac{1}{6} = \frac{19}{30} + \frac{1 \cdot 5}{6 \cdot 5} = \frac{19}{30} + \frac{5}{30} = \frac{24}{30} = \frac{4}{5}$$

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

$$18. \frac{7}{24} + \frac{1}{8} = \frac{7}{24} + \frac{1 \cdot 3}{8 \cdot 3} = \frac{7}{24} + \frac{3}{24} = \frac{10}{24} = \frac{5}{12}$$

$$19. \frac{13}{18} + \frac{1}{6} = \frac{13}{18} + \frac{1 \cdot 3}{6 \cdot 3} = \frac{13}{18} + \frac{3}{18} = \frac{16}{18} = \frac{8}{9}$$

$$20. \frac{11}{30} + \frac{1}{3} = \frac{11}{30} + \frac{1 \cdot 10}{3 \cdot 10} = \frac{11}{30} + \frac{10}{30} = \frac{21}{30} = \frac{7}{10}$$

Aufgabe 2:

$$1. \frac{1}{18} + \frac{7}{9} = \frac{1}{18} + \frac{7 \cdot 2}{9 \cdot 2} = \frac{1}{18} + \frac{14}{18} = \frac{15}{18} = \frac{5}{6}$$

$$2. \frac{1}{30} + \frac{5}{6} = \frac{1}{30} + \frac{5 \cdot 5}{6 \cdot 5} = \frac{1}{30} + \frac{25}{30} = \frac{26}{30} = \frac{13}{15}$$

$$3. \frac{19}{24} + \frac{1}{8} = \frac{19}{24} + \frac{1 \cdot 3}{8 \cdot 3} = \frac{19}{24} + \frac{3}{24} = \frac{22}{24} = \frac{11}{12}$$

$$4. \frac{19}{28} + \frac{1}{14} = \frac{19}{28} + \frac{1 \cdot 2}{14 \cdot 2} = \frac{19}{28} + \frac{2}{28} = \frac{21}{28} = \frac{3}{4}$$

$$5. \frac{13}{24} + \frac{1}{8} = \frac{13}{24} + \frac{1 \cdot 3}{8 \cdot 3} = \frac{13}{24} + \frac{3}{24} = \frac{16}{24} = \frac{2}{3}$$

$$6. \frac{19}{30} + \frac{1}{15} = \frac{19}{30} + \frac{1 \cdot 2}{15 \cdot 2} = \frac{19}{30} + \frac{2}{30} = \frac{21}{30} = \frac{7}{10}$$

$$7. \frac{1}{24} + \frac{7}{8} = \frac{1}{24} + \frac{7 \cdot 3}{8 \cdot 3} = \frac{1}{24} + \frac{21}{24} = \frac{22}{24} = \frac{11}{12}$$

$$8. \frac{1}{24} + \frac{5}{6} = \frac{1}{24} + \frac{5 \cdot 4}{6 \cdot 4} = \frac{1}{24} + \frac{20}{24} = \frac{21}{24} = \frac{7}{8}$$

$$9. \frac{1}{20} + \frac{7}{10} = \frac{1}{20} + \frac{7 \cdot 2}{10 \cdot 2} = \frac{1}{20} + \frac{14}{20} = \frac{15}{20} = \frac{3}{4}$$

$$10. \frac{15}{28} + \frac{1}{4} = \frac{15}{28} + \frac{1 \cdot 7}{4 \cdot 7} = \frac{15}{28} + \frac{7}{28} = \frac{22}{28} = \frac{11}{14}$$

$$11. \frac{1}{30} + \frac{4}{15} = \frac{1}{30} + \frac{4 \cdot 2}{15 \cdot 2} = \frac{1}{30} + \frac{8}{30} = \frac{9}{30} = \frac{3}{10}$$

$$12. \frac{17}{30} + \frac{1}{6} = \frac{17}{30} + \frac{1 \cdot 5}{6 \cdot 5} = \frac{17}{30} + \frac{5}{30} = \frac{22}{30} = \frac{11}{15}$$

$$13. \frac{11}{24} + \frac{1}{8} = \frac{11}{24} + \frac{1 \cdot 3}{8 \cdot 3} = \frac{11}{24} + \frac{3}{24} = \frac{14}{24} = \frac{7}{12}$$

$$14. \frac{7}{30} + \frac{1}{15} = \frac{7}{30} + \frac{1 \cdot 2}{15 \cdot 2} = \frac{7}{30} + \frac{2}{30} = \frac{9}{30} = \frac{3}{10}$$

$$15. \frac{17}{24} + \frac{1}{6} = \frac{17}{24} + \frac{1 \cdot 4}{6 \cdot 4} = \frac{17}{24} + \frac{4}{24} = \frac{21}{24} = \frac{7}{8}$$

$$16. \frac{1}{24} + \frac{5}{8} = \frac{1}{24} + \frac{5 \cdot 3}{8 \cdot 3} = \frac{1}{24} + \frac{15}{24} = \frac{16}{24} = \frac{2}{3}$$

$$17. \frac{17}{30} + \frac{1}{3} = \frac{17}{30} + \frac{1 \cdot 10}{3 \cdot 10} = \frac{17}{30} + \frac{10}{30} = \frac{27}{30} = \frac{9}{10}$$

$$18. \frac{1}{24} + \frac{3}{8} = \frac{1}{24} + \frac{3 \cdot 3}{8 \cdot 3} = \frac{1}{24} + \frac{9}{24} = \frac{10}{24} = \frac{5}{12}$$

$$19. \frac{1}{30} + \frac{1}{10} = \frac{1}{30} + \frac{1 \cdot 3}{10 \cdot 3} = \frac{1}{30} + \frac{3}{30} = \frac{4}{30} = \frac{2}{15}$$

$$20. \frac{1}{30} + \frac{1}{15} = \frac{1}{30} + \frac{1 \cdot 2}{15 \cdot 2} = \frac{1}{30} + \frac{2}{30} = \frac{3}{30} = \frac{1}{10}$$

Aufgabe 3:

$$1. \frac{13}{30} + \frac{4}{15} = \frac{13}{30} + \frac{4 \cdot 2}{15 \cdot 2} = \frac{13}{30} + \frac{8}{30} = \frac{21}{30} = \frac{7}{10}$$

$$2. \frac{5}{24} + \frac{3}{8} = \frac{5}{24} + \frac{3 \cdot 3}{8 \cdot 3} = \frac{5}{24} + \frac{9}{24} = \frac{14}{24} = \frac{7}{12}$$

$$3. \frac{23}{30} + \frac{2}{15} = \frac{23}{30} + \frac{2 \cdot 2}{15 \cdot 2} = \frac{23}{30} + \frac{4}{30} = \frac{27}{30} = \frac{9}{10}$$

$$4. \frac{5}{24} + \frac{5}{12} = \frac{5}{24} + \frac{5 \cdot 2}{12 \cdot 2} = \frac{5}{24} + \frac{10}{24} = \frac{15}{24} = \frac{5}{8}$$

$$5. \frac{5}{28} + \frac{3}{4} = \frac{5}{28} + \frac{3 \cdot 7}{4 \cdot 7} = \frac{5}{28} + \frac{21}{28} = \frac{26}{28} = \frac{13}{14}$$

$$6. \frac{7}{24} + \frac{5}{8} = \frac{7}{24} + \frac{5 \cdot 3}{8 \cdot 3} = \frac{7}{24} + \frac{15}{24} = \frac{22}{24} = \frac{11}{12}$$

$$7. \frac{13}{24} + \frac{3}{8} = \frac{13}{24} + \frac{3 \cdot 3}{8 \cdot 3} = \frac{13}{24} + \frac{9}{24} = \frac{22}{24} = \frac{11}{12}$$

$$8. \frac{17}{30} + \frac{2}{15} = \frac{17}{30} + \frac{2 \cdot 2}{15 \cdot 2} = \frac{17}{30} + \frac{4}{30} = \frac{21}{30} = \frac{7}{10}$$

$$9. \frac{13}{28} + \frac{2}{7} = \frac{13}{28} + \frac{2 \cdot 4}{7 \cdot 4} = \frac{13}{28} + \frac{8}{28} = \frac{21}{28} = \frac{3}{4}$$

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

$$11. \frac{17}{30} + \frac{4}{15} = \frac{17}{30} + \frac{4 \cdot 2}{15 \cdot 2} = \frac{17}{30} + \frac{8}{30} = \frac{25}{30} = \frac{5}{6}$$

$$12. \frac{7}{30} + \frac{7}{10} = \frac{7}{30} + \frac{7 \cdot 3}{10 \cdot 3} = \frac{7}{30} + \frac{21}{30} = \frac{28}{30} = \frac{14}{15}$$

$$13. \frac{13}{30} + \frac{7}{15} = \frac{13}{30} + \frac{7 \cdot 2}{15 \cdot 2} = \frac{13}{30} + \frac{14}{30} = \frac{27}{30} = \frac{9}{10}$$

$$14. \frac{11}{24} + \frac{5}{12} = \frac{11}{24} + \frac{5 \cdot 2}{12 \cdot 2} = \frac{11}{24} + \frac{10}{24} = \frac{21}{24} = \frac{7}{8}$$

$$15. \frac{19}{30} + \frac{3}{10} = \frac{19}{30} + \frac{3 \cdot 3}{10 \cdot 3} = \frac{19}{30} + \frac{9}{30} = \frac{28}{30} = \frac{14}{15}$$

$$16. \frac{15}{28} + \frac{3}{14} = \frac{15}{28} + \frac{3 \cdot 2}{14 \cdot 2} = \frac{15}{28} + \frac{6}{28} = \frac{21}{28} = \frac{3}{4}$$

$$17. \frac{5}{21} + \frac{3}{7} = \frac{5}{21} + \frac{3 \cdot 3}{7 \cdot 3} = \frac{5}{21} + \frac{9}{21} = \frac{14}{21} = \frac{2}{3}$$

$$18. \frac{7}{20} + \frac{2}{5} = \frac{7}{20} + \frac{2 \cdot 4}{5 \cdot 4} = \frac{7}{20} + \frac{8}{20} = \frac{15}{20} = \frac{3}{4}$$

$$19. \frac{11}{18} + \frac{2}{9} = \frac{11}{18} + \frac{2 \cdot 2}{9 \cdot 2} = \frac{11}{18} + \frac{4}{18} = \frac{15}{18} = \frac{5}{6}$$

$$20. \frac{3}{28} + \frac{9}{14} = \frac{3}{28} + \frac{9 \cdot 2}{14 \cdot 2} = \frac{3}{28} + \frac{18}{28} = \frac{21}{28} = \frac{3}{4}$$

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

Mit freundlicher Unterstützung von: Autobett V8 blau