

Aufgaben Blatt 1 Brüche subtrahieren

Aufgaben

Aufgabe 1:

$$1. \frac{5}{6} - \frac{11}{24} \quad 2. \frac{8}{15} - \frac{7}{30} \quad 3. \frac{5}{6} - \frac{7}{18} \quad 4. \frac{2}{3} - \frac{7}{24} \quad 5. \frac{3}{8} - \frac{7}{24}$$

$$6. \frac{5}{6} - \frac{5}{24} \quad 7. \frac{3}{4} - \frac{9}{20} \quad 8. \frac{5}{6} - \frac{11}{30} \quad 9. \frac{3}{4} - \frac{11}{20} \quad 10. \frac{2}{3} - \frac{7}{15}$$

$$11. \frac{8}{15} - \frac{13}{30} \quad 12. \frac{5}{6} - \frac{23}{30} \quad 13. \frac{5}{6} - \frac{7}{12} \quad 14. \frac{8}{9} - \frac{1}{18} \quad 15. \frac{3}{4} - \frac{13}{20}$$

$$16. \frac{5}{8} - \frac{11}{24} \quad 17. \frac{9}{10} - \frac{7}{30} \quad 18. \frac{14}{15} - \frac{23}{30} \quad 19. \frac{9}{10} - \frac{19}{30} \quad 20. \frac{13}{15} - \frac{17}{30}$$

Aufgabe 2:

$$1. \frac{1}{4} - \frac{5}{28} \quad 2. \frac{7}{9} - \frac{11}{18} \quad 3. \frac{5}{6} - \frac{13}{18} \quad 4. \frac{5}{7} - \frac{13}{28} \quad 5. \frac{5}{7} - \frac{8}{21}$$

$$6. \frac{4}{7} - \frac{9}{28} \quad 7. \frac{7}{10} - \frac{9}{20} \quad 8. \frac{5}{8} - \frac{1}{24} \quad 9. \frac{14}{15} - \frac{1}{30} \quad 10. \frac{11}{15} - \frac{13}{30}$$

$$11. \frac{9}{10} - \frac{11}{30} \quad 12. \frac{1}{8} - \frac{1}{24} \quad 13. \frac{2}{3} - \frac{8}{21} \quad 14. \frac{5}{6} - \frac{13}{30} \quad 15. \frac{3}{4} - \frac{11}{28}$$

$$16. \frac{9}{14} - \frac{11}{28} \quad 17. \frac{2}{3} - \frac{11}{21} \quad 18. \frac{9}{10} - \frac{13}{20} \quad 19. \frac{4}{9} - \frac{5}{18} \quad 20. \frac{3}{4} - \frac{3}{20}$$

Lösungen

Aufgabe 1:

$$1. \frac{5}{6} - \frac{11}{24} = \frac{5 \cdot 4}{6 \cdot 4} - \frac{11}{24} = \frac{20}{24} - \frac{11}{24} = \frac{9}{24} = \frac{3}{8}$$

$$2. \frac{8}{15} - \frac{7}{30} = \frac{8 \cdot 2}{15 \cdot 2} - \frac{7}{30} = \frac{16}{30} - \frac{7}{30} = \frac{9}{30} = \frac{3}{10}$$

$$3. \frac{5}{6} - \frac{7}{18} = \frac{5 \cdot 3}{6 \cdot 3} - \frac{7}{18} = \frac{15}{18} - \frac{7}{18} = \frac{8}{18} = \frac{4}{9}$$

$$4. \frac{2}{3} - \frac{7}{24} = \frac{2 \cdot 8}{3 \cdot 8} - \frac{7}{24} = \frac{16}{24} - \frac{7}{24} = \frac{9}{24} = \frac{3}{8}$$

$$5. \frac{3}{8} - \frac{7}{24} = \frac{3 \cdot 3}{8 \cdot 3} - \frac{7}{24} = \frac{9}{24} - \frac{7}{24} = \frac{2}{24} = \frac{1}{12}$$

$$6. \frac{5}{6} - \frac{5}{24} = \frac{5 \cdot 4}{6 \cdot 4} - \frac{5}{24} = \frac{20}{24} - \frac{5}{24} = \frac{15}{24} = \frac{5}{8}$$

$$7. \frac{3}{4} - \frac{9}{20} = \frac{3 \cdot 5}{4 \cdot 5} - \frac{9}{20} = \frac{15}{20} - \frac{9}{20} = \frac{6}{20} = \frac{3}{10}$$

$$8. \frac{5}{6} - \frac{11}{30} = \frac{5 \cdot 5}{6 \cdot 5} - \frac{11}{30} = \frac{25}{30} - \frac{11}{30} = \frac{14}{30} = \frac{7}{15}$$

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

$$10. \frac{2}{3} - \frac{7}{15} = \frac{2 \cdot 5}{3 \cdot 5} - \frac{7}{15} = \frac{10}{15} - \frac{7}{15} = \frac{3}{15} = \frac{1}{5}$$

$$11. \frac{8}{15} - \frac{13}{30} = \frac{8 \cdot 2}{15 \cdot 2} - \frac{13}{30} = \frac{16}{30} - \frac{13}{30} = \frac{3}{30} = \frac{1}{10}$$

$$12. \frac{5}{6} - \frac{23}{30} = \frac{5 \cdot 5}{6 \cdot 5} - \frac{23}{30} = \frac{25}{30} - \frac{23}{30} = \frac{2}{30} = \frac{1}{15}$$

$$13. \frac{5}{6} - \frac{7}{12} = \frac{5 \cdot 2}{6 \cdot 2} - \frac{7}{12} = \frac{10}{12} - \frac{7}{12} = \frac{3}{12} = \frac{1}{4}$$

$$14. \frac{8}{9} - \frac{1}{18} = \frac{8 \cdot 2}{9 \cdot 2} - \frac{1}{18} = \frac{16}{18} - \frac{1}{18} = \frac{15}{18} = \frac{5}{6}$$

$$15. \frac{3}{4} - \frac{13}{20} = \frac{3 \cdot 5}{4 \cdot 5} - \frac{13}{20} = \frac{15}{20} - \frac{13}{20} = \frac{2}{20} = \frac{1}{10}$$

$$16. \frac{5}{8} - \frac{11}{24} = \frac{5 \cdot 3}{8 \cdot 3} - \frac{11}{24} = \frac{15}{24} - \frac{11}{24} = \frac{4}{24} = \frac{1}{6}$$

$$17. \frac{9}{10} - \frac{7}{30} = \frac{9 \cdot 3}{10 \cdot 3} - \frac{7}{30} = \frac{27}{30} - \frac{7}{30} = \frac{20}{30} = \frac{2}{3}$$

$$18. \frac{14}{15} - \frac{23}{30} = \frac{14 \cdot 2}{15 \cdot 2} - \frac{23}{30} = \frac{28}{30} - \frac{23}{30} = \frac{5}{30} = \frac{1}{6}$$

$$19. \frac{9}{10} - \frac{19}{30} = \frac{9 \cdot 3}{10 \cdot 3} - \frac{19}{30} = \frac{27}{30} - \frac{19}{30} = \frac{8}{30} = \frac{4}{15}$$

$$20. \frac{13}{15} - \frac{17}{30} = \frac{13 \cdot 2}{15 \cdot 2} - \frac{17}{30} = \frac{26}{30} - \frac{17}{30} = \frac{9}{30} = \frac{3}{10}$$

Aufgabe 2:

$$1. \frac{1}{4} - \frac{5}{28} = \frac{1 \cdot 7}{4 \cdot 7} - \frac{5}{28} = \frac{7}{28} - \frac{5}{28} = \frac{2}{28} = \frac{1}{14}$$

$$2. \frac{7}{9} - \frac{11}{18} = \frac{7 \cdot 2}{9 \cdot 2} - \frac{11}{18} = \frac{14}{18} - \frac{11}{18} = \frac{3}{18} = \frac{1}{6}$$

$$3. \frac{5}{6} - \frac{13}{18} = \frac{5 \cdot 3}{6 \cdot 3} - \frac{13}{18} = \frac{15}{18} - \frac{13}{18} = \frac{2}{18} = \frac{1}{9}$$

$$4. \frac{5}{7} - \frac{13}{28} = \frac{5 \cdot 4}{7 \cdot 4} - \frac{13}{28} = \frac{20}{28} - \frac{13}{28} = \frac{7}{28} = \frac{1}{4}$$

$$5. \frac{5}{7} - \frac{8}{21} = \frac{5 \cdot 3}{7 \cdot 3} - \frac{8}{21} = \frac{15}{21} - \frac{8}{21} = \frac{7}{21} = \frac{1}{3}$$

$$6. \frac{4}{7} - \frac{9}{28} = \frac{4 \cdot 4}{7 \cdot 4} - \frac{9}{28} = \frac{16}{28} - \frac{9}{28} = \frac{7}{28} = \frac{1}{4}$$

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

$$8. \frac{5}{8} - \frac{1}{24} = \frac{5 \cdot 3}{8 \cdot 3} - \frac{1}{24} = \frac{15}{24} - \frac{1}{24} = \frac{14}{24} = \frac{7}{12}$$

$$9. \frac{14}{15} - \frac{1}{30} = \frac{14 \cdot 2}{15 \cdot 2} - \frac{1}{30} = \frac{28}{30} - \frac{1}{30} = \frac{27}{30} = \frac{9}{10}$$

$$10. \frac{11}{15} - \frac{13}{30} = \frac{11 \cdot 2}{15 \cdot 2} - \frac{13}{30} = \frac{22}{30} - \frac{13}{30} = \frac{9}{30} = \frac{3}{10}$$

$$11. \frac{9}{10} - \frac{11}{30} = \frac{9 \cdot 3}{10 \cdot 3} - \frac{11}{30} = \frac{27}{30} - \frac{11}{30} = \frac{16}{30} = \frac{8}{15}$$

$$12. \frac{1}{8} - \frac{1}{24} = \frac{1 \cdot 3}{8 \cdot 3} - \frac{1}{24} = \frac{3}{24} - \frac{1}{24} = \frac{2}{24} = \frac{1}{12}$$

$$13. \frac{2}{3} - \frac{8}{21} = \frac{2 \cdot 7}{3 \cdot 7} - \frac{8}{21} = \frac{14}{21} - \frac{8}{21} = \frac{6}{21} = \frac{2}{7}$$

$$14. \frac{5}{6} - \frac{13}{30} = \frac{5 \cdot 5}{6 \cdot 5} - \frac{13}{30} = \frac{25}{30} - \frac{13}{30} = \frac{12}{30} = \frac{2}{5}$$

$$15. \frac{3}{4} - \frac{11}{28} = \frac{3 \cdot 7}{4 \cdot 7} - \frac{11}{28} = \frac{21}{28} - \frac{11}{28} = \frac{10}{28} = \frac{5}{14}$$

$$16. \frac{9}{14} - \frac{11}{28} = \frac{9 \cdot 2}{14 \cdot 2} - \frac{11}{28} = \frac{18}{28} - \frac{11}{28} = \frac{7}{28} = \frac{1}{4}$$

$$17. \frac{2}{3} - \frac{11}{21} = \frac{2 \cdot 7}{3 \cdot 7} - \frac{11}{21} = \frac{14}{21} - \frac{11}{21} = \frac{3}{21} = \frac{1}{7}$$

$$18. \frac{9}{10} - \frac{13}{20} = \frac{9 \cdot 2}{10 \cdot 2} - \frac{13}{20} = \frac{18}{20} - \frac{13}{20} = \frac{5}{20} = \frac{1}{4}$$

$$19. \frac{4}{9} - \frac{5}{18} = \frac{4 \cdot 2}{9 \cdot 2} - \frac{5}{18} = \frac{8}{18} - \frac{5}{18} = \frac{3}{18} = \frac{1}{6}$$

$$20. \frac{3}{4} - \frac{3}{20} = \frac{3 \cdot 5}{4 \cdot 5} - \frac{3}{20} = \frac{15}{20} - \frac{3}{20} = \frac{12}{20} = \frac{3}{5}$$

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

Mit freundlicher Unterstützung von: Autobett Sport V8 blau mit Spoiler