

Arbeitsblatt

28.07.2013

Kostenlos auf dw-aufgaben.de

Aufgaben-Quickname: 5759

Aufgabe 1

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5759

$$\begin{array}{ll}
 \text{a) } \frac{19}{47} : \frac{73}{81} = \frac{1539}{3431} = \frac{1539}{3431} & \text{b) } \frac{12}{77} : \frac{56}{85} = \frac{1020}{4312} = \frac{255}{1078} \\
 \text{c) } \frac{4}{39} : \frac{17}{37} = \frac{148}{663} = \frac{148}{663} & \text{d) } \frac{34}{83} : \frac{11}{18} = \frac{612}{913} = \frac{612}{913} \\
 \text{e) } \frac{4}{19} : \frac{75}{82} = \frac{328}{1425} = \frac{328}{1425} & \text{f) } \frac{4}{7} : \frac{59}{94} = \frac{376}{413} = \frac{376}{413} \\
 \text{g) } \frac{37}{98} : \frac{51}{92} = \frac{3404}{4998} = \frac{1702}{2499} & \text{h) } \frac{28}{79} : \frac{39}{74} = \frac{2072}{3081} = \frac{2072}{3081} \\
 \text{i) } \frac{45}{83} : \frac{16}{17} = \frac{765}{1328} = \frac{765}{1328} & \text{j) } \frac{16}{41} : \frac{23}{48} = \frac{768}{943} = \frac{768}{943}
 \end{array}$$

Aufgabe 2

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5759

$$\begin{array}{lll}
 \text{a) } \frac{11}{29} : \frac{3}{7} = \frac{77}{87} = \frac{77}{87} & \text{b) } \frac{6}{25} : \frac{19}{24} = \frac{144}{475} = \frac{144}{475} & \text{c) } \frac{1}{2} : \frac{9}{11} = \frac{11}{18} = \frac{11}{18} \\
 \text{d) } \frac{5}{22} : \frac{4}{13} = \frac{65}{88} = \frac{65}{88} & \text{e) } \frac{11}{15} : \frac{13}{14} = \frac{154}{195} = \frac{154}{195} & \\
 \text{f) } \frac{7}{22} : \frac{22}{27} = \frac{189}{484} = \frac{189}{484} & \text{g) } \frac{4}{9} : \frac{5}{11} = \frac{44}{45} = \frac{44}{45} & \\
 \text{h) } \frac{9}{26} : \frac{8}{11} = \frac{99}{208} = \frac{99}{208} & \text{i) } \frac{9}{26} : \frac{21}{26} = \frac{234}{546} = \frac{3}{7} & \\
 \text{j) } \frac{1}{24} : \frac{7}{12} = \frac{12}{168} = \frac{1}{14} & &
 \end{array}$$

Aufgabe 3

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5759

$$\begin{array}{ll}
 \text{a) } 1\frac{8}{41} : \frac{1}{3} = \frac{147}{41} = \frac{147}{41} = 3\frac{24}{41} & \text{b) } 7\frac{4}{5} : 1\frac{1}{9} = \frac{351}{50} = \frac{351}{50} = 7\frac{1}{50} \\
 \text{c) } \frac{9}{23} : 1\frac{19}{29} = \frac{261}{1104} = \frac{87}{368} = \frac{87}{368} & \text{d) } 9\frac{3}{4} : \frac{23}{34} = \frac{1326}{92} = \frac{663}{46} = 14\frac{19}{46} \\
 \text{e) } \frac{15}{32} : 1\frac{8}{39} = \frac{585}{1504} = \frac{585}{1504} = \frac{585}{1504} & \text{f) } 1\frac{1}{18} : 2\frac{1}{10} = \frac{190}{378} = \frac{95}{189} = \frac{95}{189} \\
 \text{g) } 1\frac{1}{3} : \frac{2}{3} = \frac{12}{6} = \frac{2}{1} = 2 & \text{h) } \frac{9}{17} : \frac{14}{17} = \frac{153}{238} = \frac{9}{14} = \frac{9}{14}
 \end{array}$$

$$\text{i) } \frac{22}{25} : 1\frac{1}{2} = \frac{44}{75} = \frac{44}{75} = \frac{44}{75} \quad \text{j) } 1\frac{14}{25} : \frac{23}{28} = \frac{1092}{575} = \frac{1092}{575} = 1\frac{517}{575}$$

Aufgabe 4

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5759

$$\begin{array}{ll} \text{a) } \frac{12}{29} : \frac{31}{43} = \frac{516}{899} = \frac{516}{899} = \frac{516}{899} & \text{b) } \frac{50}{47} : \frac{79}{18} = \frac{900}{3713} = \frac{900}{3713} = \frac{900}{3713} \\ \text{c) } \frac{8}{69} : \frac{53}{49} = \frac{392}{3657} = \frac{392}{3657} = \frac{392}{3657} & \text{d) } \frac{16}{3} : \frac{22}{9} = \frac{144}{66} = \frac{24}{11} = 2\frac{2}{11} \\ \text{e) } \frac{15}{68} : \frac{35}{59} = \frac{885}{2380} = \frac{177}{476} = \frac{177}{476} & \text{f) } \frac{72}{17} : \frac{43}{36} = \frac{2592}{731} = \frac{2592}{731} = 3\frac{399}{731} \\ \text{g) } \frac{25}{39} : \frac{2}{11} = \frac{275}{78} = \frac{275}{78} = 3\frac{41}{78} & \text{h) } \frac{11}{32} : \frac{6}{19} = \frac{209}{192} = \frac{209}{192} = 1\frac{17}{192} \\ \text{i) } \frac{53}{10} : \frac{18}{49} = \frac{2597}{180} = \frac{2597}{180} = 14\frac{77}{180} & \text{j) } \frac{11}{8} : \frac{19}{69} = \frac{759}{152} = \frac{759}{152} = 4\frac{151}{152} \end{array}$$

Viel Erfolg!