

# Arbeitsblatt

28.07.2013

Kostenlos auf dw-aufgaben.de

Aufgaben-Quickname: 5759

## Aufgabe 1

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:  
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$$\begin{array}{ll} \text{a) } \frac{20}{79} : \frac{13}{45} = \frac{900}{1027} = \frac{900}{1027} & \text{b) } \frac{47}{85} : \frac{11}{13} = \frac{611}{935} = \frac{611}{935} \\ \text{c) } \frac{26}{35} : \frac{19}{24} = \frac{624}{665} = \frac{624}{665} & \text{d) } \frac{7}{24} : \frac{79}{97} = \frac{679}{1896} = \frac{679}{1896} \\ \text{e) } \frac{14}{33} : \frac{58}{79} = \frac{1106}{1914} = \frac{553}{957} & \text{f) } \frac{29}{47} : \frac{3}{4} = \frac{116}{141} = \frac{116}{141} \\ \text{g) } \frac{56}{79} : \frac{4}{5} = \frac{280}{316} = \frac{70}{79} & \text{h) } \frac{1}{4} : \frac{66}{83} = \frac{83}{264} = \frac{83}{264} \\ \text{i) } \frac{13}{72} : \frac{13}{71} = \frac{923}{936} = \frac{71}{72} & \text{j) } \frac{16}{91} : \frac{54}{71} = \frac{1136}{4914} = \frac{568}{2457} \end{array}$$

## Aufgabe 2

Berechne und kürze das Ergebnis soweit wie möglich.

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$$\begin{array}{ll} \text{a) } \frac{14}{27} : \frac{17}{21} = \frac{294}{459} = \frac{98}{153} & \text{b) } \frac{3}{13} : \frac{4}{5} = \frac{15}{52} = \frac{15}{52} \\ \text{c) } \frac{14}{25} : \frac{15}{23} = \frac{322}{375} = \frac{322}{375} & \text{d) } \frac{5}{11} : \frac{11}{24} = \frac{120}{121} = \frac{120}{121} \\ \text{e) } \frac{1}{21} : \frac{7}{30} = \frac{30}{147} = \frac{10}{49} & \text{f) } \frac{1}{13} : \frac{9}{25} = \frac{25}{117} = \frac{25}{117} \\ \text{g) } \frac{3}{8} : \frac{25}{27} = \frac{81}{200} = \frac{81}{200} & \text{h) } \frac{1}{8} : \frac{20}{23} = \frac{23}{160} = \frac{23}{160} \\ \text{i) } \frac{13}{27} : \frac{5}{8} = \frac{104}{135} = \frac{104}{135} & \text{j) } \frac{1}{11} : \frac{10}{11} = \frac{11}{110} = \frac{1}{10} \end{array}$$

## Aufgabe 3

Berechne und kürze das Ergebnis soweit wie möglich.

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$$\begin{array}{ll} \text{a) } 1\frac{1}{48} : \frac{6}{29} = \frac{1421}{288} = \frac{1421}{288} = 4\frac{269}{288} & \text{b) } 3\frac{1}{2} : 1\frac{6}{43} = \frac{301}{98} = \frac{43}{14} = 3\frac{1}{14} \\ \text{c) } \frac{11}{36} : \frac{30}{41} = \frac{451}{1080} = \frac{451}{1080} = \frac{451}{1080} & \text{d) } 4\frac{1}{11} : 1\frac{7}{8} = \frac{360}{165} = \frac{24}{11} = 2\frac{2}{11} \\ \text{e) } \frac{32}{45} : \frac{29}{30} = \frac{960}{1305} = \frac{64}{87} = \frac{64}{87} & \text{f) } \frac{18}{47} : \frac{5}{7} = \frac{126}{235} = \frac{126}{235} = \frac{126}{235} \\ \text{g) } 1\frac{5}{6} : \frac{1}{4} = \frac{44}{6} = \frac{22}{3} = 7\frac{1}{3} & \text{h) } 1\frac{9}{11} : 1\frac{2}{3} = \frac{60}{55} = \frac{12}{11} = 1\frac{1}{11} \end{array}$$

$$\text{i) } 4\frac{4}{9} : \frac{26}{45} = \frac{1800}{234} = \frac{100}{13} = 7\frac{9}{13} \quad \text{j) } 3\frac{3}{8} : 5\frac{3}{8} = \frac{216}{344} = \frac{27}{43} = \frac{27}{43}$$

Aufgabe 4

Berechne und kürze das Ergebnis soweit wie möglich.

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$$\begin{array}{ll} \text{a) } \frac{31}{26} : \frac{35}{99} = \frac{3069}{910} = \frac{3069}{910} = 3\frac{339}{910} & \text{b) } \frac{12}{7} : \frac{43}{20} = \frac{240}{301} = \frac{240}{301} = \frac{240}{301} \\ \text{c) } \frac{27}{56} : \frac{43}{6} = \frac{162}{2408} = \frac{81}{1204} = \frac{81}{1204} & \text{d) } \frac{73}{52} : \frac{37}{15} = \frac{1095}{1924} = \frac{1095}{1924} = \frac{1095}{1924} \\ \text{e) } \frac{11}{89} : \frac{28}{29} = \frac{319}{2492} = \frac{319}{2492} = \frac{319}{2492} & \text{f) } \frac{10}{9} : \frac{18}{19} = \frac{190}{162} = \frac{95}{81} = 1\frac{14}{81} \\ \text{g) } \frac{67}{95} : \frac{13}{10} = \frac{670}{1235} = \frac{134}{247} = \frac{134}{247} & \text{h) } \frac{12}{29} : \frac{6}{35} = \frac{420}{174} = \frac{70}{29} = 2\frac{12}{29} \\ \text{i) } \frac{77}{78} : \frac{71}{88} = \frac{6776}{5538} = \frac{3388}{2769} = 1\frac{619}{2769} & \text{j) } \frac{73}{92} : \frac{40}{17} = \frac{1241}{3680} = \frac{1241}{3680} = \frac{1241}{3680} \end{array}$$

Viel Erfolg!