

Arbeitsblatt

28.07.2013

Kostenlos auf dw-aufgaben.de

Aufgaben-Quickname: 5786

Aufgabe 1

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5786

$$\begin{array}{ll}
 \text{a) } \frac{50}{47} \cdot \frac{7}{15} = \frac{350}{705} = \frac{70}{141} = \frac{70}{141} & \text{b) } \frac{2}{47} \cdot \frac{59}{83} = \frac{118}{3901} = \frac{118}{3901} = \frac{118}{3901} \\
 \text{c) } \frac{64}{51} \cdot \frac{82}{19} = \frac{5248}{969} = \frac{5248}{969} = 5\frac{403}{969} & \text{d) } \frac{37}{75} \cdot \frac{12}{19} = \frac{444}{1425} = \frac{148}{475} = \frac{148}{475} \\
 \text{e) } \frac{63}{94} \cdot \frac{23}{62} = \frac{1449}{5828} = \frac{1449}{5828} = \frac{1449}{5828} & \text{f) } \frac{44}{13} \cdot \frac{16}{75} = \frac{704}{975} = \frac{704}{975} = \frac{704}{975} \\
 \text{g) } \frac{14}{67} \cdot \frac{48}{5} = \frac{672}{335} = \frac{672}{335} = 2\frac{2}{335} & \text{h) } \frac{44}{31} \cdot \frac{16}{49} = \frac{704}{1519} = \frac{704}{1519} = \frac{704}{1519} \\
 \text{i) } \frac{5}{31} \cdot \frac{14}{83} = \frac{70}{2573} = \frac{70}{2573} = \frac{70}{2573} & \text{j) } \frac{59}{24} \cdot \frac{28}{65} = \frac{1652}{1560} = \frac{413}{390} = 1\frac{23}{390}
 \end{array}$$

Aufgabe 2

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5786

$$\begin{array}{lll}
 \text{a) } \frac{6}{7} \cdot \frac{1}{29} = \frac{6}{203} = \frac{6}{203} & \text{b) } \frac{5}{7} \cdot \frac{2}{13} = \frac{10}{91} = \frac{10}{91} & \text{c) } \frac{2}{7} \cdot \frac{2}{11} = \frac{4}{77} = \frac{4}{77} \\
 \text{d) } \frac{15}{23} \cdot \frac{1}{8} = \frac{15}{184} = \frac{15}{184} & \text{e) } \frac{7}{11} \cdot \frac{2}{11} = \frac{14}{121} = \frac{14}{121} & \\
 \text{f) } \frac{8}{11} \cdot \frac{21}{29} = \frac{168}{319} = \frac{168}{319} & \text{g) } \frac{17}{24} \cdot \frac{3}{25} = \frac{51}{600} = \frac{17}{200} & \\
 \text{h) } \frac{5}{24} \cdot \frac{2}{3} = \frac{10}{72} = \frac{5}{36} & \text{i) } \frac{21}{25} \cdot \frac{3}{25} = \frac{63}{625} = \frac{63}{625} & \text{j) } \frac{11}{28} \cdot \frac{1}{2} = \frac{11}{56} = \frac{11}{56}
 \end{array}$$

Aufgabe 3

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5786

$$\begin{array}{ll}
 \text{a) } \frac{9}{8} \cdot \frac{13}{6} = \frac{117}{48} = \frac{39}{16} = 2\frac{7}{16} & \text{b) } \frac{9}{10} \cdot \frac{3}{8} = \frac{27}{80} = \frac{27}{80} = \frac{27}{80} \\
 \text{c) } \frac{19}{33} \cdot \frac{1}{24} = \frac{19}{792} = \frac{19}{792} = \frac{19}{792} & \text{d) } \frac{39}{44} \cdot \frac{7}{41} = \frac{273}{1804} = \frac{273}{1804} = \frac{273}{1804} \\
 \text{e) } \frac{17}{43} \cdot \frac{11}{40} = \frac{187}{1720} = \frac{187}{1720} = \frac{187}{1720} & \text{f) } \frac{9}{19} \cdot \frac{15}{11} = \frac{135}{209} = \frac{135}{209} = \frac{135}{209} \\
 \text{g) } \frac{37}{42} \cdot \frac{28}{17} = \frac{1036}{714} = \frac{74}{51} = 1\frac{23}{51} & \text{h) } \frac{5}{44} \cdot \frac{45}{17} = \frac{225}{748} = \frac{225}{748} = \frac{225}{748}
 \end{array}$$

$$\text{i) } \frac{23}{31} \cdot \frac{9}{16} = \frac{207}{496} = \frac{207}{496} = \frac{207}{496} \quad \text{j) } \frac{24}{17} \cdot \frac{9}{35} = \frac{216}{595} = \frac{216}{595} = \frac{216}{595}$$

Aufgabe 4Quick:
5786

Berechne und kürze das Ergebnis soweit wie möglich.

$$\begin{array}{ll} \text{a) } 1\frac{2}{7} \cdot 1\frac{7}{13} = \frac{180}{91} = \frac{180}{91} = 1\frac{89}{91} & \text{b) } 1\frac{1}{2} \cdot 3\frac{4}{5} = \frac{57}{10} = \frac{57}{10} = 5\frac{7}{10} \\ \text{c) } 2\frac{5}{9} \cdot \frac{38}{45} = \frac{874}{405} = \frac{874}{405} = 2\frac{64}{405} & \text{d) } \frac{1}{2} \cdot \frac{9}{14} = \frac{9}{28} = \frac{9}{28} = \frac{9}{28} \\ \text{e) } 1\frac{6}{23} \cdot 1\frac{23}{24} = \frac{1363}{552} = \frac{1363}{552} = 2\frac{259}{552} & \text{f) } \frac{1}{6} \cdot \frac{4}{37} = \frac{4}{222} = \frac{2}{111} = \frac{2}{111} \\ \text{g) } 4\frac{8}{9} \cdot 1\frac{3}{4} = \frac{308}{36} = \frac{77}{9} = 8\frac{5}{9} & \text{h) } \frac{23}{25} \cdot 12\frac{1}{4} = \frac{1127}{100} = \frac{1127}{100} = 11\frac{27}{100} \\ \text{i) } 1\frac{1}{3} \cdot 1\frac{3}{5} = \frac{32}{15} = \frac{32}{15} = 2\frac{2}{15} & \text{j) } \frac{28}{47} \cdot 2\frac{5}{9} = \frac{644}{423} = \frac{644}{423} = 1\frac{221}{423} \end{array}$$

Viel Erfolg!