

Arbeitsblatt

28.07.2013

Kostenlos auf dw-aufgaben.de

Aufgaben-Quickname: 5786

Aufgabe 1

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5786

- a) $\frac{99}{17} \cdot \frac{55}{43} = \frac{5445}{731} = \frac{5445}{731} = 7\frac{328}{731}$ b) $\frac{82}{55} \cdot \frac{14}{9} = \frac{1148}{495} = \frac{1148}{495} = 2\frac{158}{495}$
 c) $\frac{31}{34} \cdot \frac{14}{33} = \frac{434}{1122} = \frac{217}{561} = \frac{217}{561}$ d) $\frac{59}{26} \cdot \frac{37}{5} = \frac{2183}{130} = \frac{2183}{130} = 16\frac{103}{130}$
 e) $\frac{79}{20} \cdot \frac{29}{61} = \frac{2291}{1220} = \frac{2291}{1220} = 1\frac{1071}{1220}$ f) $\frac{42}{53} \cdot \frac{57}{20} = \frac{2394}{1060} = \frac{1197}{530} = 2\frac{137}{530}$
 g) $\frac{69}{88} \cdot \frac{71}{98} = \frac{4899}{8624} = \frac{4899}{8624} = \frac{4899}{8624}$ h) $\frac{55}{72} \cdot \frac{9}{23} = \frac{495}{1656} = \frac{55}{184} = \frac{55}{184}$
 i) $\frac{24}{29} \cdot \frac{41}{3} = \frac{984}{87} = \frac{328}{29} = 11\frac{9}{29}$ j) $\frac{81}{100} \cdot \frac{55}{86} = \frac{4455}{8600} = \frac{891}{1720} = \frac{891}{1720}$

Aufgabe 2

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5786

- a) $\frac{4}{25} \cdot \frac{2}{21} = \frac{8}{525} = \frac{8}{525}$ b) $\frac{15}{29} \cdot \frac{27}{29} = \frac{405}{841} = \frac{405}{841}$ c) $\frac{3}{4} \cdot \frac{1}{5} = \frac{3}{20} = \frac{3}{20}$
 d) $\frac{10}{23} \cdot \frac{10}{11} = \frac{100}{253} = \frac{100}{253}$ e) $\frac{5}{7} \cdot \frac{17}{28} = \frac{85}{196} = \frac{85}{196}$
 f) $\frac{18}{23} \cdot \frac{13}{29} = \frac{234}{667} = \frac{234}{667}$ g) $\frac{13}{24} \cdot \frac{7}{23} = \frac{91}{552} = \frac{91}{552}$
 h) $\frac{17}{25} \cdot \frac{13}{22} = \frac{221}{550} = \frac{221}{550}$ i) $\frac{17}{22} \cdot \frac{1}{9} = \frac{17}{198} = \frac{17}{198}$
 j) $\frac{2}{7} \cdot \frac{17}{28} = \frac{34}{196} = \frac{17}{98}$

Aufgabe 3

Berechne und kürze das Ergebnis soweit wie möglich.

Quick:
5786

- a) $\frac{1}{21} \cdot \frac{5}{7} = \frac{5}{147} = \frac{5}{147} = \frac{5}{147}$ b) $\frac{37}{32} \cdot \frac{21}{20} = \frac{777}{640} = \frac{777}{640} = 1\frac{137}{640}$
 c) $\frac{44}{37} \cdot \frac{33}{50} = \frac{1452}{1850} = \frac{726}{925} = \frac{726}{925}$ d) $\frac{47}{48} \cdot \frac{17}{24} = \frac{799}{1152} = \frac{799}{1152} = \frac{799}{1152}$
 e) $\frac{13}{22} \cdot \frac{41}{20} = \frac{533}{440} = \frac{533}{440} = 1\frac{93}{440}$ f) $\frac{5}{38} \cdot \frac{39}{23} = \frac{195}{874} = \frac{195}{874} = \frac{195}{874}$
 g) $\frac{49}{39} \cdot \frac{48}{11} = \frac{2352}{429} = \frac{784}{143} = 5\frac{69}{143}$ h) $\frac{35}{37} \cdot \frac{49}{34} = \frac{1715}{1258} = \frac{1715}{1258} = 1\frac{457}{1258}$

$$\text{i) } \frac{1}{2} \cdot \frac{43}{24} = \frac{43}{48} = \frac{43}{48} = \frac{43}{48} \quad \text{j) } \frac{11}{4} \cdot \frac{4}{5} = \frac{44}{20} = \frac{11}{5} = 2\frac{1}{5}$$

Aufgabe 4Quick:
5786

Berechne und kürze das Ergebnis soweit wie möglich.

$$\begin{array}{ll} \text{a) } 2\frac{2}{3} \cdot 1\frac{2}{3} = \frac{40}{9} = \frac{40}{9} = 4\frac{4}{9} & \text{b) } \frac{1}{7} \cdot 2\frac{1}{5} = \frac{11}{35} = \frac{11}{35} = \frac{11}{35} \\ \text{c) } \frac{1}{11} \cdot 1\frac{2}{5} = \frac{7}{55} = \frac{7}{55} = \frac{7}{55} & \text{d) } 2\frac{5}{18} \cdot \frac{5}{6} = \frac{205}{108} = \frac{205}{108} = 1\frac{97}{108} \\ \text{e) } \frac{17}{31} \cdot \frac{1}{17} = \frac{17}{527} = \frac{1}{31} = \frac{1}{31} & \text{f) } \frac{27}{47} \cdot 1\frac{20}{23} = \frac{1161}{1081} = \frac{1161}{1081} = 1\frac{80}{1081} \\ \text{g) } \frac{11}{14} \cdot \frac{6}{29} = \frac{66}{406} = \frac{33}{203} = \frac{33}{203} & \text{h) } 1\frac{11}{15} \cdot 1\frac{7}{15} = \frac{572}{225} = \frac{572}{225} = 2\frac{122}{225} \\ \text{i) } \frac{2}{3} \cdot \frac{9}{14} = \frac{18}{42} = \frac{3}{7} = \frac{3}{7} & \text{j) } \frac{10}{43} \cdot \frac{35}{44} = \frac{350}{1892} = \frac{175}{946} = \frac{175}{946} \end{array}$$

Viel Erfolg!