Worksheet

05/06/2018

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Problem quickname: 7489

1)

Quick: 7489

Calculate the result and reduce it to lowest terms.

a) $\frac{29}{5} \cdot \frac{76}{49} = \frac{2204}{245} = \frac{2204}{245} = 8\frac{244}{245}$

b) $\frac{67}{10} \cdot \frac{25}{6} = \frac{1675}{60} = \frac{335}{12} = 27\frac{11}{12}$

c) $\frac{47}{14} \cdot \frac{6}{13} = \frac{282}{182} = \frac{141}{91} = 1\frac{50}{91}$

d) $\frac{7}{5} \cdot \frac{77}{39} = \frac{539}{195} = \frac{539}{195} = 2\frac{149}{195}$

e) $\frac{49}{19} \cdot \frac{6}{5} = \frac{294}{95} = \frac{294}{95} = 3\frac{9}{95}$

f) $\frac{57}{79} \cdot \frac{42}{19} = \frac{2394}{1501} = \frac{126}{79} = 1\frac{47}{79}$

g) $\frac{78}{85} \cdot \frac{49}{43} = \frac{3822}{3655} = \frac{3822}{3655} = 1\frac{167}{3655}$

h) $\frac{73}{95} \cdot \frac{53}{99} = \frac{3869}{9405} = \frac{3869}{9405} = \frac{3869}{9405}$

i) $\frac{96}{13} \cdot \frac{61}{91} = \frac{5856}{1183} = \frac{5856}{1183} = 4\frac{1124}{1183}$

j) $\frac{45}{17} \cdot \frac{97}{8} = \frac{4365}{136} = \frac{4365}{136} = 32\frac{13}{136}$

2)

Quick: 7489

Calculate the result and reduce it to lowest terms.

a) $\frac{1}{3} \cdot \frac{16}{23} = \frac{16}{69} = \frac{16}{69}$

b) $\frac{3}{11} \cdot \frac{1}{7} = \frac{3}{77} = \frac{3}{77}$

c) $\frac{5}{6} \cdot \frac{1}{22} = \frac{5}{132} = \frac{5}{132}$

d) $\frac{19}{29} \cdot \frac{23}{24} = \frac{437}{696} = \frac{437}{696}$

e) $\frac{3}{4} \cdot \frac{24}{25} = \frac{72}{100} = \frac{18}{25}$

f) $\frac{8}{29} \cdot \frac{21}{29} = \frac{168}{841} = \frac{168}{841}$

g) $\frac{12}{29} \cdot \frac{13}{14} = \frac{156}{406} = \frac{78}{203}$

h) $\frac{19}{26} \cdot \frac{1}{13} = \frac{19}{338} = \frac{19}{338}$

i) $\frac{21}{26} \cdot \frac{7}{24} = \frac{147}{624} = \frac{49}{208}$

j) $\frac{6}{13} \cdot \frac{26}{27} = \frac{156}{351} = \frac{4}{9}$

3)

Quick: 7489

Calculate the result and reduce it to lowest terms.

a) $\frac{11}{16} \cdot \frac{6}{13} = \frac{66}{208} = \frac{33}{104} = \frac{33}{104}$

b) $\frac{31}{11} \cdot \frac{30}{37} = \frac{930}{407} = \frac{930}{407} = 2\frac{116}{407}$

c) $\frac{16}{17} \cdot \frac{49}{22} = \frac{784}{374} = \frac{392}{187} = 2\frac{18}{187}$

d) $\frac{9}{8} \cdot \frac{43}{14} = \frac{387}{112} = \frac{387}{112} = 3\frac{51}{112}$

e) $\frac{1}{4} \cdot \frac{28}{15} = \frac{28}{60} = \frac{7}{15} = \frac{7}{15}$

f) $\frac{9}{34} \cdot \frac{5}{9} = \frac{45}{306} = \frac{5}{34} = \frac{5}{34}$

g) $\frac{37}{11} \cdot \frac{29}{37} = \frac{1073}{407} = \frac{29}{11} = 2\frac{7}{11}$

h) $\frac{7}{22} \cdot \frac{45}{4} = \frac{315}{88} = \frac{315}{88} = 3\frac{51}{88}$

i) $\frac{23}{11} \cdot \frac{11}{7} = \frac{253}{77} = \frac{23}{7} = 3\frac{2}{7}$

j) $\frac{9}{5} \cdot \frac{37}{39} = \frac{333}{195} = \frac{111}{65} = 1\frac{46}{65}$

4)

Quick: 7489

Calculate the result and reduce it to lowest terms.

a) $\frac{4}{9} \cdot 1\frac{5}{26} = \frac{124}{234} = \frac{62}{117} = \frac{62}{117}$

b) $\frac{13}{30} \cdot \frac{2}{11} = \frac{26}{330} = \frac{13}{165} = \frac{13}{165}$

c) $\frac{15}{16} \cdot 1\frac{3}{11} = \frac{210}{176} = \frac{105}{88} = 1\frac{17}{88}$

d) $\frac{10}{17} \cdot 4\frac{6}{7} = \frac{340}{119} = \frac{20}{7} = 2\frac{6}{7}$

e) $1\frac{14}{27} \cdot \frac{2}{47} = \frac{82}{1269} = \frac{82}{1269} = \frac{82}{1269}$

f) $1\frac{13}{33} \cdot 1\frac{5}{23} = \frac{1288}{759} = \frac{56}{33} = 1\frac{23}{33}$

g) $\frac{13}{18} \cdot \frac{1}{2} = \frac{13}{36} = \frac{13}{36} = \frac{13}{36}$

h) $1\frac{7}{39} \cdot 2\frac{2}{13} = \frac{1288}{507} = \frac{1288}{507} = 2\frac{274}{507}$

i) $\frac{2}{3} \cdot 3\frac{1}{2} = \frac{14}{6} = \frac{7}{3} = 2\frac{1}{3}$

j) $\frac{9}{10} \cdot 1\frac{9}{13} = \frac{198}{130} = \frac{99}{65} = 1\frac{34}{65}$

Good Luck!