

# Worksheet

05/06/2018

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Problem quickname: 7489

1)

Calculate the result and reduce it to lowest terms.

Quick:  
7489

$$\begin{array}{ll} \text{a) } \frac{31}{13} \cdot \frac{95}{37} = \frac{2945}{481} = \frac{2945}{481} = 6\frac{59}{481} & \text{b) } \frac{19}{51} \cdot \frac{62}{75} = \frac{1178}{3825} = \frac{1178}{3825} = \frac{1178}{3825} \\ \text{c) } \frac{88}{15} \cdot \frac{9}{11} = \frac{792}{165} = \frac{24}{5} = 4\frac{4}{5} & \text{d) } \frac{8}{15} \cdot \frac{38}{27} = \frac{304}{405} = \frac{304}{405} = \frac{304}{405} \\ \text{e) } \frac{94}{93} \cdot \frac{51}{46} = \frac{4794}{4278} = \frac{799}{713} = 1\frac{86}{713} & \text{f) } \frac{29}{89} \cdot \frac{54}{95} = \frac{1566}{8455} = \frac{1566}{8455} = \frac{1566}{8455} \\ \text{g) } \frac{80}{69} \cdot \frac{47}{74} = \frac{3760}{5106} = \frac{1880}{2553} = \frac{1880}{2553} & \text{h) } \frac{43}{20} \cdot \frac{21}{29} = \frac{903}{580} = \frac{903}{580} = 1\frac{323}{580} \\ \text{i) } \frac{79}{23} \cdot \frac{53}{19} = \frac{4187}{437} = \frac{4187}{437} = 9\frac{254}{437} & \text{j) } \frac{7}{3} \cdot \frac{38}{29} = \frac{266}{87} = \frac{266}{87} = 3\frac{5}{87} \end{array}$$

2)

Calculate the result and reduce it to lowest terms.

Quick:  
7489

$$\begin{array}{lll} \text{a) } \frac{7}{12} \cdot \frac{22}{27} = \frac{154}{324} = \frac{77}{162} & \text{b) } \frac{9}{23} \cdot \frac{5}{7} = \frac{45}{161} = \frac{45}{161} & \text{c) } \frac{16}{21} \cdot \frac{2}{23} = \frac{32}{483} = \frac{32}{483} \\ \text{d) } \frac{17}{28} \cdot \frac{16}{25} = \frac{272}{700} = \frac{68}{175} & \text{e) } \frac{3}{4} \cdot \frac{10}{23} = \frac{30}{92} = \frac{15}{46} & \text{f) } \frac{1}{7} \cdot \frac{4}{27} = \frac{4}{189} = \frac{4}{189} \\ \text{g) } \frac{11}{12} \cdot \frac{19}{22} = \frac{209}{264} = \frac{19}{24} & \text{h) } \frac{17}{25} \cdot \frac{1}{2} = \frac{17}{50} = \frac{17}{50} & \text{i) } \frac{22}{23} \cdot \frac{15}{22} = \frac{330}{506} = \frac{15}{23} \\ \text{j) } \frac{14}{27} \cdot \frac{2}{5} = \frac{28}{135} = \frac{28}{135} \end{array}$$

3)

Calculate the result and reduce it to lowest terms.

Quick:  
7489

$$\begin{array}{ll} \text{a) } \frac{49}{43} \cdot \frac{7}{8} = \frac{343}{344} = \frac{343}{344} = \frac{343}{344} & \text{b) } \frac{26}{17} \cdot \frac{7}{15} = \frac{182}{255} = \frac{182}{255} = \frac{182}{255} \\ \text{c) } \frac{1}{4} \cdot \frac{11}{3} = \frac{11}{12} = \frac{11}{12} = \frac{11}{12} & \text{d) } \frac{43}{36} \cdot \frac{6}{7} = \frac{258}{252} = \frac{43}{42} = 1\frac{1}{42} \\ \text{e) } \frac{13}{14} \cdot \frac{22}{19} = \frac{286}{266} = \frac{143}{133} = 1\frac{10}{133} & \text{f) } \frac{9}{34} \cdot \frac{6}{7} = \frac{54}{238} = \frac{27}{119} = \frac{27}{119} \\ \text{g) } \frac{9}{16} \cdot \frac{9}{16} = \frac{81}{256} = \frac{81}{256} = \frac{81}{256} & \text{h) } \frac{16}{11} \cdot \frac{35}{43} = \frac{560}{473} = \frac{560}{473} = 1\frac{87}{473} \\ \text{i) } \frac{1}{3} \cdot \frac{7}{8} = \frac{7}{24} = \frac{7}{24} = \frac{7}{24} & \text{j) } \frac{19}{3} \cdot \frac{11}{7} = \frac{209}{21} = \frac{209}{21} = 9\frac{20}{21} \end{array}$$

4)

Calculate the result and reduce it to lowest terms.

a)  $\frac{31}{45} \cdot \frac{19}{41} = \frac{589}{1845} = \frac{589}{1845} = \frac{589}{1845}$

b)  $1\frac{1}{28} \cdot \frac{15}{44} = \frac{435}{1232} = \frac{435}{1232} = \frac{435}{1232}$

c)  $1\frac{4}{11} \cdot \frac{7}{30} = \frac{105}{330} = \frac{7}{22} = \frac{7}{22}$

d)  $2\frac{1}{14} \cdot \frac{2}{5} = \frac{58}{70} = \frac{29}{35} = \frac{29}{35}$

e)  $\frac{30}{49} \cdot \frac{3}{14} = \frac{90}{686} = \frac{45}{343} = \frac{45}{343}$

f)  $\frac{18}{37} \cdot 2\frac{4}{23} = \frac{900}{851} = \frac{900}{851} = 1\frac{49}{851}$

g)  $5\frac{2}{3} \cdot \frac{5}{9} = \frac{85}{27} = \frac{85}{27} = 3\frac{4}{27}$

h)  $3\frac{1}{2} \cdot \frac{23}{48} = \frac{161}{96} = \frac{161}{96} = 1\frac{65}{96}$

i)  $1\frac{1}{3} \cdot \frac{20}{33} = \frac{80}{99} = \frac{80}{99} = \frac{80}{99}$

j)  $1\frac{11}{13} \cdot 1\frac{15}{26} = \frac{984}{338} = \frac{492}{169} = 2\frac{154}{169}$

Good Luck!