

Worksheet

05/06/2018

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Problem quickname: 7489

1)

Calculate the result and reduce it to lowest terms.

Quick:
7489

$$\begin{array}{ll} \text{a) } \frac{82}{55} \cdot \frac{1}{2} = \frac{82}{110} = \frac{41}{55} = \frac{41}{55} & \text{b) } \frac{6}{17} \cdot \frac{89}{16} = \frac{534}{272} = \frac{267}{136} = 1 \frac{131}{136} \\ \text{c) } \frac{23}{8} \cdot \frac{92}{13} = \frac{2116}{104} = \frac{529}{26} = 20 \frac{9}{26} & \text{d) } \frac{1}{30} \cdot \frac{54}{79} = \frac{54}{2370} = \frac{9}{395} = \frac{9}{395} \\ \text{e) } \frac{37}{59} \cdot \frac{18}{19} = \frac{666}{1121} = \frac{666}{1121} = \frac{666}{1121} & \text{f) } \frac{4}{27} \cdot \frac{8}{9} = \frac{32}{243} = \frac{32}{243} = \frac{32}{243} \\ \text{g) } \frac{9}{5} \cdot \frac{34}{13} = \frac{306}{65} = \frac{306}{65} = 4 \frac{46}{65} & \text{h) } \frac{3}{74} \cdot \frac{7}{24} = \frac{21}{1776} = \frac{7}{592} = \frac{7}{592} \\ \text{i) } \frac{39}{14} \cdot \frac{14}{41} = \frac{546}{574} = \frac{39}{41} = \frac{39}{41} & \text{j) } \frac{49}{86} \cdot \frac{19}{29} = \frac{931}{2494} = \frac{931}{2494} = \frac{931}{2494} \end{array}$$

2)

Calculate the result and reduce it to lowest terms.

Quick:
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$$\begin{array}{lll} \text{a) } \frac{4}{5} \cdot \frac{13}{28} = \frac{52}{140} = \frac{13}{35} & \text{b) } \frac{2}{5} \cdot \frac{17}{26} = \frac{34}{130} = \frac{17}{65} & \text{c) } \frac{9}{23} \cdot \frac{1}{23} = \frac{9}{529} = \frac{9}{529} \\ \text{d) } \frac{15}{29} \cdot \frac{1}{9} = \frac{15}{261} = \frac{5}{87} & \text{e) } \frac{16}{21} \cdot \frac{13}{29} = \frac{208}{609} = \frac{208}{609} & \text{f) } \frac{9}{10} \cdot \frac{12}{25} = \frac{108}{250} = \frac{54}{125} \\ \text{g) } \frac{8}{11} \cdot \frac{17}{29} = \frac{136}{319} = \frac{136}{319} & \text{h) } \frac{3}{14} \cdot \frac{9}{13} = \frac{27}{182} = \frac{27}{182} & \text{i) } \frac{3}{7} \cdot \frac{6}{7} = \frac{18}{49} = \frac{18}{49} \\ \text{j) } \frac{12}{13} \cdot \frac{14}{27} = \frac{168}{351} = \frac{56}{117} \end{array}$$

3)

Calculate the result and reduce it to lowest terms.

Quick:
7489

$$\begin{array}{ll} \text{a) } \frac{7}{32} \cdot \frac{14}{11} = \frac{98}{352} = \frac{49}{176} = \frac{49}{176} & \text{b) } \frac{7}{6} \cdot \frac{15}{2} = \frac{105}{12} = \frac{35}{4} = 8 \frac{3}{4} \\ \text{c) } \frac{5}{8} \cdot \frac{17}{22} = \frac{85}{176} = \frac{85}{176} = \frac{85}{176} & \text{d) } \frac{29}{13} \cdot \frac{7}{19} = \frac{203}{247} = \frac{203}{247} = \frac{203}{247} \\ \text{e) } \frac{3}{4} \cdot \frac{27}{23} = \frac{81}{92} = \frac{81}{92} = \frac{81}{92} & \text{f) } \frac{1}{2} \cdot \frac{12}{5} = \frac{12}{10} = \frac{6}{5} = 1 \frac{1}{5} \\ \text{g) } \frac{2}{11} \cdot \frac{3}{4} = \frac{6}{44} = \frac{3}{22} = \frac{3}{22} & \text{h) } \frac{36}{11} \cdot \frac{9}{16} = \frac{324}{176} = \frac{81}{44} = 1 \frac{37}{44} \\ \text{i) } \frac{3}{38} \cdot \frac{24}{41} = \frac{72}{1558} = \frac{36}{779} = \frac{36}{779} & \text{j) } \frac{1}{6} \cdot \frac{31}{29} = \frac{31}{174} = \frac{31}{174} = \frac{31}{174} \end{array}$$

4)

Calculate the result and reduce it to lowest terms.

a) $\frac{12}{29} \cdot 15\frac{1}{3} = \frac{552}{87} = \frac{184}{29} = 6\frac{10}{29}$

b) $3\frac{3}{7} \cdot \frac{11}{27} = \frac{264}{189} = \frac{88}{63} = 1\frac{25}{63}$

c) $4\frac{2}{7} \cdot \frac{24}{35} = \frac{720}{245} = \frac{144}{49} = 2\frac{46}{49}$

d) $1\frac{1}{22} \cdot \frac{5}{22} = \frac{115}{484} = \frac{115}{484} = \frac{115}{484}$

e) $\frac{17}{24} \cdot 1\frac{19}{20} = \frac{663}{480} = \frac{221}{160} = 1\frac{61}{160}$

f) $1\frac{5}{28} \cdot 1\frac{13}{31} = \frac{1452}{868} = \frac{363}{217} = 1\frac{146}{217}$

g) $\frac{7}{12} \cdot \frac{29}{40} = \frac{203}{480} = \frac{203}{480} = \frac{203}{480}$

h) $3\frac{1}{5} \cdot 2\frac{1}{7} = \frac{240}{35} = \frac{48}{7} = 6\frac{6}{7}$

i) $\frac{37}{50} \cdot 1\frac{9}{40} = \frac{1813}{2000} = \frac{1813}{2000} = \frac{1813}{2000}$

j) $2\frac{1}{3} \cdot \frac{7}{11} = \frac{49}{33} = \frac{49}{33} = 1\frac{16}{33}$

Good Luck!