

Worksheet

05/14/2018

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Problem quickname: 5923

1)

Calculate the result and reduce it to lowest terms.

Quick:
5923

$$\begin{array}{lll}
 \text{a) } \frac{31}{41} \div \frac{71}{75} = \frac{2325}{2911} = \frac{2325}{2911} & \text{b) } \frac{32}{43} \div \frac{79}{98} = \frac{3136}{3397} = \frac{3136}{3397} & \\
 \text{c) } \frac{1}{3} \div \frac{73}{88} = \frac{88}{219} = \frac{88}{219} & \text{d) } \frac{42}{97} \div \frac{10}{11} = \frac{462}{970} = \frac{231}{485} & \text{e) } \frac{2}{7} \div \frac{29}{45} = \frac{90}{203} = \frac{90}{203} \\
 \text{f) } \frac{31}{83} \div \frac{81}{89} = \frac{2759}{6723} = \frac{2759}{6723} & \text{g) } \frac{38}{89} \div \frac{22}{29} = \frac{1102}{1958} = \frac{551}{979} & \\
 \text{h) } \frac{27}{86} \div \frac{41}{83} = \frac{2241}{3526} = \frac{2241}{3526} & \text{i) } \frac{49}{88} \div \frac{31}{41} = \frac{2009}{2728} = \frac{2009}{2728} & \\
 \text{j) } \frac{37}{72} \div \frac{29}{43} = \frac{1591}{2088} = \frac{1591}{2088} & &
 \end{array}$$

2)

Calculate the result and reduce it to lowest terms.

Quick:
5923

$$\begin{array}{lll}
 \text{a) } \frac{3}{10} \div \frac{13}{22} = \frac{66}{130} = \frac{33}{65} & \text{b) } \frac{5}{14} \div \frac{17}{25} = \frac{125}{238} = \frac{125}{238} & \text{c) } \frac{10}{23} \div \frac{8}{9} = \frac{90}{184} = \frac{45}{92} \\
 \text{d) } \frac{7}{10} \div \frac{19}{26} = \frac{182}{190} = \frac{91}{95} & \text{e) } \frac{4}{29} \div \frac{22}{25} = \frac{100}{638} = \frac{50}{319} & \text{f) } \frac{5}{22} \div \frac{5}{7} = \frac{35}{110} = \frac{7}{22} \\
 \text{g) } \frac{7}{27} \div \frac{17}{25} = \frac{175}{459} = \frac{175}{459} & \text{h) } \frac{1}{14} \div \frac{19}{25} = \frac{25}{266} = \frac{25}{266} & \\
 \text{i) } \frac{15}{23} \div \frac{23}{28} = \frac{420}{529} = \frac{420}{529} & \text{j) } \frac{1}{22} \div \frac{4}{23} = \frac{23}{88} = \frac{23}{88} &
 \end{array}$$

3)

Calculate the result and reduce it to lowest terms.

Quick:
5923

$$\begin{array}{ll}
 \text{a) } \frac{1}{5} \div \frac{4}{5} = \frac{5}{20} = \frac{1}{4} = \frac{1}{4} & \text{b) } 1\frac{3}{5} \div \frac{1}{2} = \frac{16}{5} = \frac{16}{5} = 3\frac{1}{5} \\
 \text{c) } \frac{1}{23} \div \frac{8}{9} = \frac{9}{184} = \frac{9}{184} = \frac{9}{184} & \text{d) } 3\frac{1}{12} \div \frac{1}{8} = \frac{296}{12} = \frac{74}{3} = 24\frac{2}{3} \\
 \text{e) } 2\frac{6}{11} \div 4\frac{1}{4} = \frac{112}{187} = \frac{112}{187} = \frac{112}{187} & \text{f) } 1\frac{4}{11} \div 1\frac{8}{9} = \frac{135}{187} = \frac{135}{187} = \frac{135}{187} \\
 \text{g) } \frac{5}{8} \div \frac{8}{15} = \frac{75}{64} = \frac{75}{64} = 1\frac{11}{64} & \text{h) } \frac{33}{35} \div 1\frac{5}{6} = \frac{198}{385} = \frac{18}{35} = \frac{18}{35} \\
 \text{i) } 1\frac{1}{2} \div 1\frac{17}{21} = \frac{63}{76} = \frac{63}{76} = \frac{63}{76} & \text{j) } \frac{2}{15} \div \frac{24}{35} = \frac{70}{360} = \frac{7}{36} = \frac{7}{36}
 \end{array}$$

4)

Calculate the result and reduce it to lowest terms.

a) $\frac{6}{19} \div \frac{37}{86} = \frac{516}{703} = \frac{516}{703} = \frac{516}{703}$

b) $\frac{18}{31} \div \frac{27}{47} = \frac{846}{837} = \frac{94}{93} = 1\frac{1}{93}$

c) $\frac{25}{43} \div \frac{18}{55} = \frac{1375}{774} = \frac{1375}{774} = 1\frac{601}{774}$

d) $\frac{11}{35} \div \frac{35}{79} = \frac{869}{1225} = \frac{869}{1225} = \frac{869}{1225}$

e) $\frac{9}{49} \div \frac{25}{84} = \frac{756}{1225} = \frac{108}{175} = \frac{108}{175}$

f) $\frac{51}{86} \div \frac{9}{7} = \frac{357}{774} = \frac{119}{258} = \frac{119}{258}$

g) $\frac{19}{10} \div \frac{26}{25} = \frac{475}{260} = \frac{95}{52} = 1\frac{43}{52}$

h) $\frac{28}{71} \div \frac{27}{5} = \frac{140}{1917} = \frac{140}{1917} = \frac{140}{1917}$

i) $\frac{63}{26} \div \frac{82}{49} = \frac{3087}{2132} = \frac{3087}{2132} = 1\frac{955}{2132}$

j) $\frac{11}{10} \div \frac{59}{3} = \frac{33}{590} = \frac{33}{590} = \frac{33}{590}$

Good Luck!