

# Worksheet

05/14/2018

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Problem quickname: 5923

1)

Calculate the result and reduce it to lowest terms.

Quick:  
5923

$$\begin{array}{ll} \text{a) } \frac{29}{91} \div \frac{12}{23} = \frac{667}{1092} = \frac{667}{1092} & \text{b) } \frac{16}{41} \div \frac{67}{78} = \frac{1248}{2747} = \frac{1248}{2747} \\ \text{c) } \frac{11}{39} \div \frac{65}{71} = \frac{781}{2535} = \frac{781}{2535} & \text{d) } \frac{7}{72} \div \frac{22}{27} = \frac{189}{1584} = \frac{21}{176} \\ \text{e) } \frac{43}{72} \div \frac{65}{76} = \frac{3268}{4680} = \frac{817}{1170} & \text{f) } \frac{29}{80} \div \frac{45}{49} = \frac{1421}{3600} = \frac{1421}{3600} \\ \text{g) } \frac{11}{74} \div \frac{15}{97} = \frac{1067}{1110} = \frac{1067}{1110} & \text{h) } \frac{3}{14} \div \frac{58}{73} = \frac{219}{812} = \frac{219}{812} \\ \text{i) } \frac{27}{73} \div \frac{29}{75} = \frac{2025}{2117} = \frac{2025}{2117} & \text{j) } \frac{1}{18} \div \frac{47}{79} = \frac{79}{846} = \frac{79}{846} \end{array}$$

2)

Calculate the result and reduce it to lowest terms.

Quick:  
5923

$$\begin{array}{lll} \text{a) } \frac{1}{10} \div \frac{21}{22} = \frac{22}{210} = \frac{11}{105} & \text{b) } \frac{7}{12} \div \frac{21}{25} = \frac{175}{252} = \frac{25}{36} & \text{c) } \frac{3}{26} \div \frac{21}{22} = \frac{66}{546} = \frac{11}{91} \\ \text{d) } \frac{5}{27} \div \frac{17}{29} = \frac{145}{459} = \frac{145}{459} & \text{e) } \frac{18}{29} \div \frac{17}{21} = \frac{378}{493} = \frac{378}{493} & \text{f) } \frac{2}{3} \div \frac{19}{28} = \frac{56}{57} = \frac{56}{57} \\ \text{g) } \frac{10}{27} \div \frac{24}{29} = \frac{290}{648} = \frac{145}{324} & \text{h) } \frac{17}{29} \div \frac{8}{13} = \frac{221}{232} = \frac{221}{232} & \\ \text{i) } \frac{7}{27} \div \frac{11}{26} = \frac{182}{297} = \frac{182}{297} & \text{j) } \frac{5}{29} \div \frac{16}{25} = \frac{125}{464} = \frac{125}{464} & \end{array}$$

3)

Calculate the result and reduce it to lowest terms.

Quick:  
5923

$$\begin{array}{ll} \text{a) } 7\frac{1}{2} \div 6\frac{1}{8} = \frac{120}{98} = \frac{60}{49} = 1\frac{11}{49} & \text{b) } \frac{28}{47} \div \frac{1}{10} = \frac{280}{47} = \frac{280}{47} = 5\frac{45}{47} \\ \text{c) } \frac{5}{13} \div \frac{8}{17} = \frac{85}{104} = \frac{85}{104} = \frac{85}{104} & \text{d) } 1\frac{2}{27} \div 1\frac{3}{5} = \frac{145}{216} = \frac{145}{216} = \frac{145}{216} \\ \text{e) } 1\frac{1}{41} \div \frac{22}{27} = \frac{1134}{902} = \frac{567}{451} = 1\frac{116}{451} & \text{f) } \frac{22}{43} \div 1\frac{7}{25} = \frac{550}{1376} = \frac{275}{688} = \frac{275}{688} \\ \text{g) } 2\frac{16}{17} \div \frac{35}{48} = \frac{2400}{595} = \frac{480}{119} = 4\frac{4}{119} & \text{h) } 1\frac{19}{24} \div \frac{6}{11} = \frac{473}{144} = \frac{473}{144} = 3\frac{41}{144} \\ \text{i) } 1\frac{1}{6} \div 1\frac{13}{31} = \frac{217}{264} = \frac{217}{264} = \frac{217}{264} & \text{j) } 1\frac{1}{10} \div \frac{19}{32} = \frac{352}{190} = \frac{176}{95} = 1\frac{81}{95} \end{array}$$

4)

Calculate the result and reduce it to lowest terms.

a)  $\frac{35}{38} \div \frac{44}{83} = \frac{2905}{1672} = \frac{2905}{1672} = 1\frac{1233}{1672}$

b)  $\frac{3}{4} \div \frac{60}{47} = \frac{141}{240} = \frac{47}{80} = \frac{47}{80}$

c)  $\frac{13}{2} \div \frac{28}{97} = \frac{1261}{56} = \frac{1261}{56} = 22\frac{29}{56}$

d)  $\frac{8}{33} \div \frac{9}{13} = \frac{104}{297} = \frac{104}{297} = \frac{104}{297}$

e)  $\frac{2}{19} \div \frac{8}{7} = \frac{14}{152} = \frac{7}{76} = \frac{7}{76}$

f)  $\frac{61}{64} \div \frac{64}{89} = \frac{5429}{4096} = \frac{5429}{4096} = 1\frac{1333}{4096}$

g)  $\frac{23}{26} \div \frac{10}{71} = \frac{1633}{260} = \frac{1633}{260} = 6\frac{73}{260}$

h)  $\frac{1}{2} \div \frac{97}{13} = \frac{13}{194} = \frac{13}{194} = \frac{13}{194}$

i)  $\frac{13}{86} \div \frac{32}{33} = \frac{429}{2752} = \frac{429}{2752} = \frac{429}{2752}$

j)  $\frac{4}{7} \div \frac{11}{2} = \frac{8}{77} = \frac{8}{77} = \frac{8}{77}$

Good Luck!