

Worksheet

05/14/2018

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Problem quickname: 5923

1)

Calculate the result and reduce it to lowest terms.

Quick:
5923

$$\begin{array}{lll} \text{a) } \frac{11}{30} \div \frac{1}{2} = \frac{22}{30} = \frac{11}{15} & \text{b) } \frac{69}{95} \div \frac{13}{14} = \frac{966}{1235} = \frac{966}{1235} & \text{c) } \frac{1}{43} \div \frac{1}{7} = \frac{7}{43} = \frac{7}{43} \\ \text{d) } \frac{1}{77} \div \frac{69}{74} = \frac{74}{5313} = \frac{74}{5313} & \text{e) } \frac{3}{32} \div \frac{21}{76} = \frac{228}{672} = \frac{19}{56} & \\ \text{f) } \frac{17}{84} \div \frac{23}{27} = \frac{459}{1932} = \frac{153}{644} & \text{g) } \frac{12}{95} \div \frac{59}{76} = \frac{912}{5605} = \frac{48}{295} & \\ \text{h) } \frac{22}{95} \div \frac{38}{75} = \frac{1650}{3610} = \frac{165}{361} & \text{i) } \frac{11}{37} \div \frac{27}{83} = \frac{913}{999} = \frac{913}{999} & \\ \text{j) } \frac{3}{80} \div \frac{2}{19} = \frac{57}{160} = \frac{57}{160} & & \end{array}$$

2)

Calculate the result and reduce it to lowest terms.

Quick:
5923

$$\begin{array}{lll} \text{a) } \frac{9}{11} \div \frac{11}{13} = \frac{117}{121} = \frac{117}{121} & \text{b) } \frac{11}{29} \div \frac{23}{30} = \frac{330}{667} = \frac{330}{667} & \\ \text{c) } \frac{3}{29} \div \frac{13}{25} = \frac{75}{377} = \frac{75}{377} & \text{d) } \frac{15}{29} \div \frac{11}{12} = \frac{180}{319} = \frac{180}{319} & \text{e) } \frac{7}{11} \div \frac{5}{7} = \frac{49}{55} = \frac{49}{55} \\ \text{f) } \frac{11}{21} \div \frac{17}{29} = \frac{319}{357} = \frac{319}{357} & \text{g) } \frac{11}{23} \div \frac{3}{4} = \frac{44}{69} = \frac{44}{69} & \text{h) } \frac{3}{7} \div \frac{23}{27} = \frac{81}{161} = \frac{81}{161} \\ \text{i) } \frac{9}{26} \div \frac{21}{25} = \frac{225}{546} = \frac{75}{182} & \text{j) } \frac{17}{28} \div \frac{17}{25} = \frac{425}{476} = \frac{25}{28} & \end{array}$$

3)

Calculate the result and reduce it to lowest terms.

Quick:
5923

$$\begin{array}{lll} \text{a) } 4\frac{3}{4} \div \frac{1}{3} = \frac{57}{4} = \frac{57}{4} = 14\frac{1}{4} & \text{b) } \frac{11}{18} \div 2\frac{7}{8} = \frac{88}{414} = \frac{44}{207} = \frac{44}{207} & \\ \text{c) } \frac{3}{7} \div \frac{1}{7} = \frac{21}{7} = \frac{3}{1} = 3 & \text{d) } \frac{31}{41} \div \frac{7}{39} = \frac{1209}{287} = \frac{1209}{287} = 4\frac{61}{287} & \\ \text{e) } \frac{1}{2} \div \frac{37}{46} = \frac{46}{74} = \frac{23}{37} = \frac{23}{37} & \text{f) } \frac{9}{29} \div \frac{11}{23} = \frac{207}{319} = \frac{207}{319} = \frac{207}{319} & \\ \text{g) } 1\frac{5}{38} \div \frac{11}{37} = \frac{1591}{418} = \frac{1591}{418} = 3\frac{337}{418} & \text{h) } 1\frac{6}{29} \div \frac{9}{17} = \frac{595}{261} = \frac{595}{261} = 2\frac{73}{261} & \\ \text{i) } \frac{25}{26} \div 5\frac{5}{7} = \frac{175}{1040} = \frac{35}{208} = \frac{35}{208} & \text{j) } 2\frac{1}{9} \div \frac{25}{39} = \frac{741}{225} = \frac{247}{75} = 3\frac{22}{75} & \end{array}$$

4)

Calculate the result and reduce it to lowest terms.

a) $\frac{77}{50} \div \frac{16}{7} = \frac{539}{800} = \frac{539}{800} = \frac{539}{800}$

b) $\frac{85}{44} \div \frac{33}{23} = \frac{1955}{1452} = \frac{1955}{1452} = 1\frac{503}{1452}$

c) $\frac{1}{25} \div \frac{21}{64} = \frac{64}{525} = \frac{64}{525} = \frac{64}{525}$

d) $\frac{67}{90} \div \frac{32}{17} = \frac{1139}{2880} = \frac{1139}{2880} = \frac{1139}{2880}$

e) $\frac{6}{29} \div \frac{35}{11} = \frac{66}{1015} = \frac{66}{1015} = \frac{66}{1015}$

f) $\frac{95}{64} \div \frac{9}{16} = \frac{1520}{576} = \frac{95}{36} = 2\frac{23}{36}$

g) $\frac{77}{32} \div \frac{21}{76} = \frac{5852}{672} = \frac{209}{24} = 8\frac{17}{24}$

h) $\frac{5}{72} \div \frac{80}{29} = \frac{145}{5760} = \frac{29}{1152} = \frac{29}{1152}$

i) $\frac{20}{89} \div \frac{95}{32} = \frac{640}{8455} = \frac{128}{1691} = \frac{128}{1691}$

j) $\frac{52}{11} \div \frac{14}{89} = \frac{4628}{154} = \frac{2314}{77} = 30\frac{4}{77}$

Good Luck!