



REVIEW

FRACTIONS THE FOUR RULES

NO CALCULATOR

Ref: G155. **5R1**

A1 Show that: $\frac{2}{3} + \frac{2}{5} = 1\frac{1}{15}$	A2 Show that: $\frac{3}{4} - \frac{1}{5} = \frac{11}{20}$	A3 Show that: $\frac{2}{5} \times \frac{3}{4} = \frac{3}{10}$	A4 Show that: $\frac{3}{5} \div \frac{2}{3} = \frac{9}{10}$
B1 Show that: $2\frac{4}{5} + \frac{3}{7} = 3\frac{8}{35}$	B2 Show that: $3\frac{1}{3} - \frac{4}{7} = 2\frac{16}{21}$	B3 Show that: $2\frac{1}{6} \times \frac{3}{4} = 1\frac{5}{8}$	B4 Show that: $2\frac{2}{7} \div \frac{3}{5} = 3\frac{17}{21}$
C1 Show that: $2\frac{1}{4} + 3\frac{5}{6} = 6\frac{1}{12}$	C2 Show that: $3\frac{3}{7} - 2\frac{2}{3} = \frac{16}{21}$	C3 Show that: $1\frac{2}{3} \times 2\frac{3}{7} = 4\frac{1}{21}$	C4 Show that: $3\frac{3}{5} \div 1\frac{2}{3} = 2\frac{4}{25}$
D1 Show that: $\frac{3}{4} + \frac{2}{3} \times \frac{3}{7} = 1\frac{1}{28}$	D2 Show that: $\frac{4}{5} \times \left(\frac{3}{4} - \frac{1}{3} \right) = \frac{1}{3}$	D3 Show that: $\frac{3}{5} \times 2 + 1\frac{3}{7} = 2\frac{22}{35}$	D4 Show that: $1\frac{2}{5} \times \frac{3}{4} \div \left(\frac{2}{3} \right)^2 = 2\frac{29}{80}$



FRACTIONS THE FOUR RULES

THE WORKING IN RED MUST BE

Ref: G155. **5R1**

A1 $\frac{2}{3} + \frac{2}{5} = \frac{10}{15} + \frac{6}{15}$ $= \frac{16}{15}$ $= 1\frac{1}{15}$	A2 $\frac{3}{4} - \frac{1}{5} = \frac{15}{20} - \frac{4}{20}$ $= \frac{11}{20}$	A3 $\frac{2}{5} \times \frac{3}{4} = \frac{6}{20}$ $= \frac{3}{10}$	A4 $\frac{3}{5} \div \frac{2}{3} = \frac{3}{5} \times \frac{3}{2}$ $= \frac{9}{10}$
B1 $2\frac{4}{5} + \frac{3}{7} = \frac{14}{5} + \frac{3}{7}$ $= \frac{98}{35} + \frac{15}{35}$ $= \frac{113}{35} = 3\frac{8}{35}$	B2 $3\frac{1}{3} - \frac{4}{7} = \frac{10}{3} - \frac{4}{7}$ $= \frac{70}{21} - \frac{12}{21}$ $= \frac{58}{21} = 2\frac{16}{21}$	B3 $2\frac{1}{6} \times \frac{3}{4} = \frac{13}{6} \times \frac{3}{4}$ $= \frac{39}{24}$ $= 1\frac{15}{24} = 1\frac{5}{8}$	B4 $2\frac{2}{7} \div \frac{3}{5} = \frac{16}{7} \div \frac{3}{5}$ $= \frac{16}{7} \times \frac{5}{3}$ $= \frac{80}{21} = 3\frac{17}{21}$
C1 $2\frac{1}{4} + 3\frac{5}{6} = \frac{9}{4} + \frac{23}{6}$ $= \frac{54}{24} + \frac{92}{24}$ $= \frac{146}{24} = 6\frac{2}{24} = 6\frac{1}{12}$	C2 $3\frac{3}{7} - 2\frac{2}{3} = \frac{24}{7} - \frac{8}{3}$ $= \frac{72}{21} - \frac{56}{21}$ $= \frac{16}{21}$	C3 $1\frac{2}{3} \times 2\frac{3}{7} = \frac{5}{3} \times \frac{17}{7}$ $= \frac{85}{21}$ $= 4\frac{1}{21}$	C4 $3\frac{3}{5} \div 1\frac{2}{3} = \frac{18}{5} \div \frac{5}{3}$ $= \frac{18}{5} \times \frac{3}{5}$ $= \frac{54}{25} = 2\frac{4}{25}$
D1 $\frac{3}{4} + \frac{2}{3} \times \frac{3}{7} = \frac{3}{4} + \frac{2}{7}$ $= \frac{21}{28} + \frac{8}{28}$ $= \frac{29}{28} = 1\frac{1}{28}$	D2 $\frac{4}{5} \times \left(\frac{3}{4} - \frac{1}{3}\right) = \frac{4}{5} \times \frac{5}{12}$ $= \frac{20}{60}$ $= \frac{1}{3}$	D3 $\frac{3}{5} \times 2 + 1\frac{3}{7} = \frac{6}{5} + 1\frac{3}{7}$ $= \frac{6}{5} + \frac{10}{7}$ $= \frac{92}{35} = 2\frac{22}{35}$	D4 $1\frac{2}{5} \times \frac{3}{4} \div \left(\frac{2}{3}\right)^2 = \frac{7}{5} \times \frac{3}{4} \div \frac{4}{9}$ $= \frac{7}{5} \times \frac{3}{4} \times \frac{9}{4}$ $= \frac{189}{80} = 2\frac{29}{80}$