



FRACTION ARITHMETIC

ADDITION [STAGE THREE]

NO CALCULATOR

Ref: G155. **1S3**

A1 Calculate: $\frac{1}{2} + \frac{2}{3}$	A2 Calculate: $\frac{1}{4} + \frac{1}{5}$	A3 Calculate: $\frac{1}{5} + \frac{3}{7}$	A4 Calculate: $\frac{1}{2} + \frac{1}{6}$
B1 Calculate: $\frac{1}{3} + \frac{2}{5}$	B2 Calculate: $\frac{2}{3} + \frac{2}{5}$	B3 Calculate: $\frac{2}{3} + \frac{5}{6}$	B4 Calculate: $\frac{2}{3} + \frac{3}{7}$
C1 Calculate: $\frac{3}{4} + \frac{2}{7}$	C2 Calculate: $\frac{3}{4} + \frac{3}{7}$	C3 Calculate: $\frac{3}{4} + \frac{4}{5}$	C4 Calculate: $\frac{3}{8} + \frac{3}{4}$
D1 Calculate: $\frac{1}{2} + \frac{1}{3} + \frac{1}{5}$	D2 Calculate: $\frac{1}{2} + \frac{1}{3} + \frac{1}{4}$	D3 Calculate: $\frac{1}{2} + \frac{2}{3} + \frac{3}{5}$	D4 Calculate: $\frac{2}{3} + \frac{3}{4} + \frac{5}{6}$



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Can you spot what is different about the three starred (*) questions?

Ref: G155. **1S3**

A1 Calculate: $\frac{1}{2} + \frac{2}{3} = \frac{3}{6} + \frac{4}{6}$ $= \frac{7}{6} = 1\frac{1}{6}$	A2 Calculate: $\frac{1}{4} + \frac{1}{5} = \frac{5}{20} + \frac{4}{20}$ $= \frac{9}{20}$	A3 Calculate: $\frac{1}{5} + \frac{3}{7} = \frac{7}{35} + \frac{15}{35}$ $= \frac{22}{35}$	A4 Calculate: * $\frac{1}{2} + \frac{1}{6} = \frac{3}{6} + \frac{1}{6}$ $= \frac{4}{6} = \frac{2}{3}$
B1 Calculate: $\frac{1}{3} + \frac{2}{5} = \frac{5}{15} + \frac{6}{15}$ $= \frac{11}{15}$	B2 Calculate: $\frac{2}{3} + \frac{2}{5} = \frac{10}{15} + \frac{6}{15}$ $= \frac{16}{15} = 1\frac{1}{15}$	B3 Calculate: * $\frac{2}{3} + \frac{5}{6} = \frac{4}{6} + \frac{5}{6}$ $= \frac{9}{6} = \frac{3}{2} = 1\frac{1}{2}$	B4 Calculate: $\frac{2}{3} + \frac{3}{7} = \frac{14}{21} + \frac{9}{21}$ $= \frac{23}{21} = 1\frac{2}{21}$
C1 Calculate: $\frac{3}{4} + \frac{2}{7} = \frac{21}{28} + \frac{8}{28}$ $= \frac{29}{28} = 1\frac{1}{28}$	C2 Calculate: $\frac{3}{4} + \frac{3}{7} = \frac{21}{28} + \frac{12}{28}$ $= \frac{33}{28} = 1\frac{5}{28}$	C3 Calculate: $\frac{3}{4} + \frac{4}{5} = \frac{15}{20} + \frac{16}{20}$ $= \frac{31}{20} = 1\frac{11}{20}$	C4 Calculate: * $\frac{3}{8} + \frac{3}{4} = \frac{3}{8} + \frac{6}{8}$ $= \frac{9}{8} = 1\frac{1}{8}$
D1 Calculate: $\boxed{\frac{1}{2} + \frac{1}{3}} + \frac{1}{5} = \boxed{\frac{5}{6}} + \frac{1}{5}$ $= \frac{31}{30} = 1\frac{1}{30}$	D2 Calculate: $\boxed{\frac{1}{2} + \frac{1}{3}} + \frac{1}{4} = \boxed{\frac{5}{6}} + \frac{1}{4}$ $= \frac{13}{12} = 1\frac{1}{12}$	D3 Calculate: $\boxed{\frac{1}{2} + \frac{2}{3}} + \frac{3}{5} = \boxed{\frac{7}{6}} + \frac{3}{5}$ $= \frac{53}{30} = 1\frac{23}{30}$	D4 Calculate: $\boxed{\frac{2}{3} + \frac{3}{4}} + \frac{5}{6} = \boxed{\frac{17}{12}} + \frac{5}{6}$ $= \frac{9}{4} = 2\frac{1}{4}$