Level: Foundation Top Progression: Quick

Operating Fractions (A) ANSWERS

cazoom!

Section A: *Add or subtract the following. Simplify your answers.*

1) $\frac{1}{7}+\frac{3}{7}=\frac{4}{7}$ 2) $\frac{2}{5}+\frac{8}{15}=\frac{14}{15}$ 3) $\frac{2}{3}+\frac{1}{4}=\frac{11}{12}$

4) $\frac{3}{10}-\frac{1}{10}=\frac{1}{5}$ 5) $\frac{11}{24}-\frac{3}{8}=\frac{1}{12}$ 6) $\frac{5}{6}-\frac{1}{16}=\frac{37}{48}$

Section B: *Multiply or divide the following. Simplify your answers.*

1) $\frac{2}{7}\times\frac{3}{5}=\frac{6}{35}$ 2) $\frac{5}{8}\times\frac{2}{3}=\frac{5}{12}$ 3) $\frac{8}{9}\times\frac{3}{10}=\frac{4}{15}$

4) $\frac{9}{11}\div\frac{5}{6}=\frac{54}{55}$ 5) $\frac{3}{8}\div\frac{5}{12}=\frac{9}{10}$ 6) $\frac{8}{12}\div 4=\frac{1}{6}$

Section C: *Simplify and leave your answers as mixed numbers.*

1) $12+\frac{8}{11}=12\frac{8}{11}$ 2) $\frac{7}{15}\times 9=4\frac{1}{5}$ 3) $12-\frac{8}{3}=9\frac{1}{3}$

4) $1\frac{2}{3}-\frac{2}{9}=1\frac{4}{9}$ 5) $\frac{12}{5}+\frac{4}{6}=3\frac{1}{15}$ 6) $10\div\frac{4}{7}=17\frac{1}{2}$

Extension

Solve the following: $\frac{2}{10}\left(\left(\frac{1}{12}+\frac{3}{4}\right)\div\frac{4}{7}\right)=\frac{7}{24}$

How confidently can you add, subtract, multiply and divide fractions?

Not confident Fairly confident Very confident

Your Score _____