Operating Fractions (A)

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

1) \( \frac{1}{7} + \frac{3}{7} = \)
2) \( \frac{2}{5} + \frac{8}{15} = \)
3) \( \frac{2}{3} + \frac{1}{4} = \)
4) \( \frac{3}{10} - \frac{1}{10} = \)
5) \( \frac{11}{24} - \frac{3}{8} = \)
6) \( \frac{5}{6} - \frac{1}{16} = \)

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

1) \( \frac{2}{7} \times \frac{3}{5} = \)
2) \( \frac{5}{8} \times \frac{2}{3} = \)
3) \( \frac{8}{9} \times \frac{3}{10} = \)
4) \( \frac{9}{11} \div \frac{5}{6} = \)
5) \( \frac{3}{8} \div \frac{5}{12} = \)
6) \( \frac{8}{12} \div 4 = \)

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

1) \( 12 + \frac{8}{11} = \)
2) \( \frac{7}{15} \times 9 = \)
3) \( 12 - \frac{8}{3} = \)
4) \( \frac{12}{3} - \frac{2}{9} = \)
5) \( \frac{12}{5} + \frac{4}{6} = \)
6) \( 10 \div \frac{4}{7} = \)

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

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

Not confident  
Fairly confident  
Very confident  
Your Score  

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