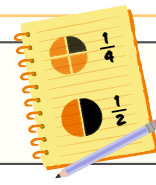


# Operating Fractions (A)

## ANSWERS



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

$$1) \frac{1}{7} + \frac{3}{7} = \frac{4}{7}$$

$$2) \frac{2}{5} + \frac{8}{15} = \frac{14}{15}$$

$$3) \frac{2}{3} + \frac{1}{4} = \frac{11}{12}$$

$$4) \frac{3}{10} - \frac{1}{10} = \frac{2}{10} = \frac{1}{5}$$

$$5) \frac{11}{24} - \frac{3}{8} = \frac{11}{24} - \frac{9}{24} = \frac{2}{24} = \frac{1}{12}$$

$$6) \frac{5}{6} - \frac{1}{16} = \frac{40}{48} - \frac{3}{48} = \frac{37}{48}$$

**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:

$$\frac{2}{10} \left[ \left( \frac{1}{12} + \frac{3}{4} \right) \div \frac{4}{7} \right] = \frac{7}{24}$$