1. Divide:

(a) $\frac{35}{44} \div 40 = \frac{1}{88}$

(b) $\frac{12}{13} \div 15 = \frac{4}{65}$

$\frac{12 \times 1}{13 \times 15} = \frac{4}{65}$

(c) $\frac{8}{13} \div \frac{2}{13} = 4$

(d) $\frac{5}{12} \div \frac{10}{21} = \frac{7}{8}$

(e) $\frac{22}{25} \div \frac{11}{15} = 1\frac{1}{5}$

(f) $\frac{26}{27} \div \frac{13}{15} = 1\frac{1}{9}$

(g) $45 \div \frac{3}{8} = 120$

(j) $\frac{3}{4} \div \frac{1}{2} \div \frac{6}{7} = \frac{7}{4} = 1\frac{3}{4}$

$= \frac{7}{4} = \frac{13}{4}$

(k) $\frac{21}{4} \div \frac{13}{10} \div \frac{3}{13}$

$\frac{1 \quad 10 \quad 13}{4 \quad 3 \quad 3}$

$\frac{9}{4} \quad \frac{14}{13} \quad \frac{3}{13} = \frac{15}{2} = 7\frac{1}{2}$

$\frac{9 \quad 13 \quad 13}{4 \quad 14 \quad 3}$

2. Find the quotient in simplest form.

(a) $\frac{\frac{3}{5}}{\frac{7}{10}} = \frac{1}{88} \frac{8}{7}$

(b) $\frac{\frac{12}{17}}{5} = \frac{12}{85}$

(c) $\frac{\frac{5}{18}}{\frac{9}{14}} = \frac{35}{72}$

(d) $\frac{8}{15} = \frac{98}{175}$

(i) $\frac{10}{1\frac{2}{3}} = 10 \div \frac{5}{3}$

$= \frac{\overset{2}{\cancel{10}}}{1} \times \frac{3}{\cancel{5}} = 6$

(ii) $\frac{24}{3\frac{1}{3}} = 24 \div \frac{10}{3}$

$= \frac{\overset{12}{\cancel{24}}}{1} \times \frac{3}{\cancel{10}_{5}} = \frac{36}{5} = 7\frac{1}{5}$