H.W

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Q3

a) $\frac{5}{7} \div \frac{10}{14} = \frac{5}{7} \times \frac{14}{10} = \frac{70}{70} = 1$

b) $\frac{12}{15} \div \frac{1}{3} \quad \frac{21}{25} \div 3 = \frac{12}{5} \div \frac{7}{25} = \frac{12}{5} \times \frac{25}{7} \div 5 = \frac{12}{1} \times \frac{5}{7} = \frac{60}{7}$

c) $\frac{14 \div 7}{32 \div 4} \quad \frac{24 \div 4}{44 \div 7} = \frac{2}{8 \div 2} \div \frac{6 \div 2}{7} = \frac{2}{4} \div \frac{3}{7} = \frac{2}{4} \times \frac{7}{3} = \frac{14}{12}$

Q4

a) $\frac{2}{7} \times \frac{1}{4 \div 2} \times \frac{2}{3} \div 2 = \frac{2}{7} \times \frac{1}{2} \times \frac{1}{3} = \frac{2}{42}$

b) $\frac{5}{9} \times \frac{18 \div 2}{25 \div 5} \quad \frac{15 \div 5}{16 \div 2} = \frac{5 \div 5}{9 \div 9} \times \frac{9 \div 9}{5 \div 5} \times \frac{3}{8} = \frac{1}{1} \times \frac{1}{5} \times \frac{3}{8} = \frac{3}{40}$

5 $\frac{5 \div 5}{9} \times \frac{2}{5 \div 5} = \frac{1}{9} \times \frac{2}{1} = \frac{2}{9}$