

Ex-9(c)

(a) $\frac{5}{28} \times \frac{7}{7}$

$= \frac{5 \times \overset{1}{\cancel{7}}}{\underset{4}{28} \times \underset{1}{\cancel{7}}} = \frac{5}{4} = 1\frac{1}{4}$

(b) $\frac{20}{24} \times \frac{3}{10} \times \frac{7}{2} = \frac{\overset{1}{\cancel{20}} \times \overset{1}{\cancel{3}} \times \overset{1}{\cancel{7}}}{\underset{3}{24} \times \underset{2}{10} \times \underset{1}{2}} = \frac{1}{3}$

~~(c) $\frac{1}{5} \times \frac{1}{16} \times \frac{5}{8} = \frac{1 \times 1 \times 5}{5 \times 16 \times 8} = \frac{5}{640} = \frac{1}{128}$~~

~~$\frac{1}{5} \times \frac{1}{16} \times \frac{5}{8} = 11$~~

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~~$\frac{1}{5} \times \frac{1}{16} \times \frac{5}{8} = \frac{1 \times 1 \times 5}{5 \times 16 \times 8} = \frac{11}{32}$~~

~~(d) $\frac{1}{3} \times \frac{3}{4} \times \frac{2}{7} = \frac{1 \times 3 \times 2}{3 \times 4 \times 7} = \frac{2}{56}$~~

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(e) $\frac{5}{9} \times \frac{1}{12} \times \frac{24}{25} = \frac{5 \times 1 \times \overset{2}{\cancel{24}}}{9 \times \overset{1}{\cancel{12}} \times \underset{5}{25}} = \frac{2}{9}$

(f) $\frac{4}{5} \times \frac{13}{7} \times 0$

$= \frac{4}{5} \times \frac{13}{7} \times 0 = 0$

(g) $\frac{1}{4} \times 2\frac{1}{2} \times \frac{4}{5} \times 3\frac{1}{3} \times \frac{4}{5}$

~~$\frac{1}{4} \times 2\frac{1}{2} \times \frac{4}{5} \times 3\frac{1}{3} \times \frac{4}{5} = \frac{1 \times 2 \times 4 \times 3 \times 4}{4 \times 2 \times 5 \times 3 \times 5} = \frac{28}{75}$~~

$= \frac{1}{4} \times \frac{5}{2} \times \frac{4}{5} \times \frac{7}{2} \times \frac{4}{5} = \frac{1 \times 5 \times \overset{1}{\cancel{4}} \times 7 \times \overset{2}{\cancel{4}}}{\underset{1}{4} \times \underset{2}{2} \times \underset{1}{5} \times \underset{2}{2} \times \underset{1}{5}} = \frac{49}{10} = 4\frac{9}{10}$