(EX 12(B))

(7) Ans $6\frac{43}{5}\left(\frac{13}{2}-6\frac{12}{4}-\frac{15}{4}\right)$

$= \frac{43}{5}-\left(\frac{13}{2}-\frac{27}{4}\right)$

$= \frac{43}{5}-\frac{26-27}{4}$

$= \frac{43}{5}-\frac{24}{4}$

$= \frac{172+120}{20} = \frac{292}{20} = 14\frac{12}{20}$

Ans $17\frac{1}{3}\div\left[6\frac{7}{11}-\left(4-2\frac{3}{11}-1\right)\right]$

$= \frac{52}{3}\div\left[6\frac{68}{11}-\left(4-1\frac{3}{11}\right)\right]$

$= \frac{52}{3}\left[\frac{68}{11}-\frac{30}{11}\right]$

$= \frac{52}{3}-\frac{38}{11} = \frac{572-342}{33} = \frac{568}{33}$

3·2 ÷ {1·8 + (3·1 ÷ 0·6 - 0·1)}

3·2 ÷ {1·8 + (3 ÷ 1·0 + 0·2)}

3·2 ÷ {1·8 + 2·2}

$3.2 \div 4 = \frac{32}{10} \div \frac{4}{1} = \frac{8}{10} \times \frac{1}{4}$

$= \frac{8}{10} = 0.8$

$\frac{33}{4} + \left[\frac{9}{2} + \left\{\frac{25}{3} - \left(\frac{7}{2} - \frac{22}{4}\right)\right\}\right]$

$= \frac{33}{4} + \left[\frac{9}{2} + \left\{\frac{25}{3} - \left(\frac{7}{2} - \frac{5}{4}\right)\right\}\right]$

$= \frac{33}{4} + \left[\frac{9}{2} + \left\{\frac{25}{3} - \frac{9}{4}\right\}\right]$

$= \frac{33}{4} + \left[\frac{9}{2} + \frac{73}{12}\right] = \frac{33}{4} + \frac{127}{12}$

$= \frac{99+127}{12} = \frac{226}{12} = 18\frac{10}{12}$

(5) Ans $\frac{43}{8} - \left[\frac{18}{5} - \left\{\frac{11}{8} - \left(\frac{3}{4} - \frac{1}{2} - \frac{1}{4}\right)\right\}\right]$

$= \frac{43}{8} - \left[\frac{18}{5} - \left\{\frac{11}{8} - \left(\frac{3}{4} - \frac{1}{4}\right)\right\}\right]$

$= \frac{43}{8} - \left[\frac{18}{5} - \left\{\frac{11}{8} - \frac{2}{4}\right\}\right]$

$= \frac{43}{8} - \left[\frac{18}{5} - \frac{7}{8}\right]$

$= \frac{43}{8} - \frac{109}{40} = \frac{106}{40} = 2\frac{26}{40}$

(6) Ans $4 - \left[\frac{11}{2} - \left\{\frac{5}{2} + \left(1 + \frac{1}{6} + \frac{5}{4} - \frac{1}{12}\right)\right\}\right]$

$= 4 - \left[\frac{11}{2} - \left\{\frac{5}{2} + \frac{7}{12}\right\}\right]$

$4 - \left[\frac{11}{2} - 4\frac{1}{12}\right] = 4 - 1\frac{5}{12} = 2\frac{7}{12}$

(7) $7.2+[0.2 \text{ of } 10-\{0.6-0.3-0.3-0.6\}]$

$=7.2+[0.2 \text{ of } 10-\{0.6-0.3-0.27\}]$

$=7.2+[0.2 \text{ of } 10-1.8]$

$=7.2+[0.2\times 10-1.8]$

$=7.2+[2-1.8]$

$=7.2+0.2$

$=7.4$

(8) $16\div[0.1+\{+0.1+(0.1+0.1)\}]$

$=16\div[0.1+\{0.1+0.2\}]$

$=16\div[0.1+0.3]$

$=16\div 0.4$

$=40$

⑨ $8.8 \div [0.5 \text{ of } 15 - \{6.2 \div 2 (8.4 -$

$= 8.8 \div [0.5 \times 15 - \{6.2 \div 2 - 0.8\}]$

$= 8.8 \div [0.5 \times 15 - [3.1 - 0.8\}]$

$= 8.8 \div [0.7.5 - 2.3]$

$= 8.8 \div 0.5.2 = 1.69$

⑩ $0.4 \div [1.5 \div \{0.6 \div (0.3 - 0.2)\}]$

$= 0.4 \div [1.5 \div \{0.6 \div 0.1\}]$

$= 0.4 \div [1.5 \div 6]$

$= 0.4 \div \frac{15}{6}$

$= \frac{24}{150} = 1.6$