

Ex-12 CB

$$(1) 8\frac{3}{5} - (6\frac{7}{2} - 4\frac{1}{4} - 3\frac{1}{4})$$

~~$8\frac{3}{5} -$~~

$$= 8\frac{13}{5} - (6\frac{7}{2} - 4\frac{1}{4} - 3\frac{1}{4})$$

$$= 8\frac{13}{5} - (6\frac{7}{2} - 2\frac{1}{2})$$

$$= 8\frac{13}{5} - (6\frac{7}{2} - 1\frac{1}{2})$$

$$= 8\frac{13}{5} - \frac{12}{2}$$

$$= 8\frac{13}{5} - 6$$

~~$8\frac{13}{5} - 6 =$~~

$$= \frac{43 \times 6 - 6 \times 30}{30}$$

$$= \frac{258 - 180}{30} = \frac{78}{30}$$

$$= \frac{78}{30} = \frac{39}{15} = 2\frac{9}{15}$$

$$(2) 17\frac{1}{3} \div \{6\frac{2}{11} - (4 - 2\frac{3}{11} - 1)\}$$

$$A^2 \frac{52}{3} = \sqrt{\frac{68}{1} - (4 - \frac{2^2}{1} - 2)}$$

$$= \frac{52}{3} = \sqrt{\frac{68}{1} - (4 - \frac{2^2}{1} - 2)}$$

$$= \frac{52}{3} = \sqrt{\frac{68}{1} - (4 - \frac{2^2 \times 1 - 2 \times 1}{1})}$$

$$= \frac{52}{3} = \sqrt{\frac{68}{1} - (4 - \frac{2^2 - 1}{1})}$$

$$= \frac{52}{3} = \sqrt{\frac{68}{1} - (4 - \frac{3}{1})}$$

$$= \frac{52}{3} = \sqrt{\frac{68}{1} - (4 - \frac{1}{1})}$$

$$= \frac{52}{3} = \sqrt{\frac{68}{1} - (\frac{4 \times 1 - 1}{1})}$$

$$= \frac{52}{3} = \sqrt{\frac{68}{1} - (\frac{4 - 1}{1})}$$

$$= \frac{52}{3} = \sqrt{\frac{68}{1} - \frac{3}{1}}$$

$$= \frac{52}{3} = \sqrt{\frac{68 \times 1 - 3 \times 1}{1}}$$

$$= \frac{52}{3} = \sqrt{\frac{248 - 3}{1}}$$

$$= \frac{52}{3} = \sqrt{\frac{245}{1}}$$

$$= \frac{52 \times 1 - 218 \times 1}{33} = \frac{572 - 218}{33} = \frac{354}{33} = \frac{118}{11}$$

$$2 = \frac{118}{11} = 10\frac{8}{11}$$

$$\textcircled{3} 3.2 \neq (1.8 + (3 = 1.5 + 0.1 - 0.4))$$
$$\neq 3.2 \neq (1.8 + (3 = 2.5 + 0.2))$$

~~$$= 3.2 \neq (1.8 + (2 + 0.2))$$~~

~~$$= 3.2 \neq (1.8 + 2.2)$$~~

~~$$= 3.2 \neq 4.0 + 2.8$$~~

$$3.2 \neq (1.8 + (0.5 + 0.2))$$

$$= 3.2 \neq (1.8 + (0.5 + 0.2))$$

$$\neq 3.2 \neq (1.8 + 0.7)$$

~~$$= 3.2 \neq 3.0$$~~

$$= 3.2 \neq 2.5$$

$$(9) 3.2 \div \{1.8 + (3 \div 1.5 + 0.6 - 0.4)\}$$

$$= 3.2 \div \{1.8 + (3 \div 1.5 + 0.6 - 0.4)\}$$

$$= 3.2 \div \{1.8 + (3 \div 1.5 + 0.2)\}$$

$$= 3.2 \div \{1.8 + (3 \div 1.5 + 0.2)\}$$

$$= 3.2 \div \{1.8 + (2.0 + 0.2)\}$$

$$= 3.2 \div \{1.8 + 2.2\}$$

$$= 3.2 \div 4.0$$

$$= 0.8$$

$$(4) 8\frac{2}{4} + [4\frac{1}{2} + \{8\frac{2}{3} - (3\frac{2}{2} + (2\frac{2}{4} - 5\frac{2}{2}))\}]$$

$$= 8\frac{2}{4} + [4\frac{1}{2} + \{8\frac{2}{3} - (3\frac{2}{2} + (2\frac{2}{4} - 5\frac{2}{2}))\}]$$

$$= 8\frac{2}{4} + [4\frac{1}{2} + \{8\frac{2}{3} - (3\frac{2}{2} + (2\frac{2}{4} - 5\frac{2}{2}))\}]$$

$$= 8\frac{2}{4} + [4\frac{1}{2} + \{8\frac{2}{3} - (3\frac{2}{2} + \frac{15}{11})\}]$$

$$= 8\frac{2}{4} + [4\frac{1}{2} + \{8\frac{2}{3} - \frac{17}{2}\}]$$

$$= \frac{33}{9} + \left[\frac{9}{2} + \frac{132}{22} \right]$$

$$= \frac{33}{9} + \frac{228}{9} = \frac{261}{9} = 29 \frac{43}{9}$$

$$(5) 5\frac{3}{8} - \left[3\frac{3}{5} - \left\{ 2\frac{3}{8} - \left(\frac{3}{9} - \frac{2}{2} - \frac{2}{9} \right) \right\} \right]$$

$$= \frac{43}{8} - \left[\frac{18}{5} - \left\{ \frac{17}{8} - \left(\frac{3}{9} - \frac{2}{2} - \frac{2}{9} \right) \right\} \right]$$

$$= \frac{43}{8} - \left[\frac{18}{5} - \left\{ \frac{17}{8} - \left(\frac{3}{9} - \frac{2}{2} \right) \right\} \right]$$

$$= \frac{43}{8} - \left[\frac{18}{5} - \left\{ \frac{17}{8} - \frac{2}{4} \right\} \right]$$

$$= \frac{43}{8} - \left[\frac{18}{5} - \frac{15}{8} \right]$$

$$= \frac{43}{8} - \frac{31}{8} = \frac{12}{8} = 2 \frac{11}{40}$$

$$(6) 9 - \left[5\frac{7}{2} - \left\{ 2\frac{7}{2} + \left(1 + \frac{7}{2} + 2\frac{7}{9} - \frac{7}{12} \right) \right\} \right]$$

$$9 - \left[\frac{11}{2} - \left\{ \frac{5}{2} + \left(1 + \frac{7}{2} + \frac{5}{9} - \frac{7}{12} \right) \right\} \right]$$

$$= 9 - \left[\frac{11}{2} - \left\{ \frac{5}{2} + \left(1 + \frac{7}{2} + \frac{30}{24} + \frac{30}{24} - \frac{7}{12} \right) \right\} \right]$$

$$= 9 - \left[\frac{11}{2} - \left\{ \frac{5}{2} + \left(\frac{29}{12} - \frac{7}{12} \right) \right\} \right]$$

$$9 - \left[\frac{11}{2} - \left\{ \frac{5}{2} + 2\frac{3}{12} \right\} \right]$$

$$2 \quad 4 = \left[\frac{2 \cdot 2}{2} - \frac{5 \cdot 3}{12} \right]$$

$$= 4 - \frac{13}{12}$$

$$= \frac{4}{1} - \frac{13}{12} = \frac{35}{12} = 2 \frac{11}{12}$$

$$(7) \quad 7.2 + [0.2 \text{ of } 10 - \{0.6 \div 0.3 - 0.8 - 0.6\}]$$

$$= 7.2 + [0.2 \text{ of } 10 - \{0.6 \div 0.3 - 0.8 - 0.6\}]$$

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

$$= 7.2 + [0.2 \text{ of } 10 - \{2 - 0.2\}]$$

$$= 7.2 + [2 - 1.8]$$

$$= 7.2 + 0.2$$

$$= 7.4$$

$$(8) \quad 16 \div [0.1 + \{0.1 + (0.1 + 0.2 - 0.1)\}]$$

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

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

$$= 16 \div [0.2 + 0.3]$$

$$= 16 \div 0.5$$

$$= 32$$

$$(9) 8.8 \div [0.5 \text{ of } 15 - \{6.2 \div 2 - (8.4 - 7.6)\}]$$

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

$$= 8.8 \div [0.5 \text{ of } 15 - \{3.1 - 0.2\}]$$

$$= 8.8 \div [0.5 \text{ of } 15 - 2.9]$$

$$= 8.8 \div [7.5 - 2.9]$$

$$= 8.8 \div 4.6$$

$$= 1 \frac{9}{13}$$

~~(10)~~

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$$⑩ 0,4 \div [1,5 \div (0,6 \div (0,3 - 0,3 - 2))] \div$$

$$= 0,4 \div [1,5 \div (0,6 \div (0,3 - 0,2))] \div$$

$$= 0,4 \div [1,5 \div (0,6 \div 0,1)] \div$$

$$= 0,4 \div [1,5 \div 6] \div$$

$$= 0,4 \div 0,25 \div$$

$$= 1,6$$