

$$11. (7\frac{1}{5} + 1\frac{4}{5} - \frac{1}{45}) (2\frac{1}{4} - \frac{4}{5}) = 8\frac{40}{45} \times \frac{20}{9} = \frac{4 \times 20}{9}$$

and $4\frac{1}{8} - \frac{1}{11} - (2\frac{7}{8} - \frac{7}{16} - \frac{1}{22}) = 3\frac{51}{88} - 2\frac{60}{176} = 1\frac{33}{176}$
 $= \frac{1}{16}.$

$$\therefore \text{quotient} = \frac{4 \times 20}{9} \div \frac{1}{16} = \frac{1856}{171} = 10\frac{146}{171}.$$

$$12. \frac{6\frac{1}{2} - 1\frac{5}{14}}{2\frac{1}{6} + 1\frac{3}{7}} = \frac{9\frac{1}{2} - 19}{30\frac{1}{3} + 20} = \frac{75\frac{1}{2}}{50\frac{1}{3}} = \frac{453}{302} = 1\frac{1}{2}.$$

$$(\frac{5}{7} \text{ of } 1\frac{6}{13}) \div \frac{25}{3\frac{1}{4}} = \frac{5}{7} \times \frac{19}{13} \times \frac{13}{4} \times \frac{7}{19} = 1\frac{1}{4}.$$

13.

$$\frac{1}{4 - \frac{1}{2 - \frac{1}{1 - \frac{6}{13}}}} = \frac{1}{4 - \frac{1}{2 - \frac{13}{13 - 5}}} = \frac{1}{4 - \frac{8}{16 - 13}}$$

$$= \frac{3}{4}.$$

$$\frac{1}{4 + \frac{1}{1 - \frac{1}{2 - \frac{9}{16}}}} = \frac{1}{4 + \frac{1}{1 - \frac{16}{32 - 9}}} = \frac{1}{4 + \frac{23}{23 - 16}}$$

$$= \frac{7}{28 + 23} = \frac{7}{51}.$$

$$14. \frac{10\frac{2}{5} - 1\frac{5}{7}}{7\frac{1}{8} + 3\frac{3}{40}} = \frac{8\frac{24}{40}}{10\frac{1}{5}} = \frac{304}{351} = \frac{304}{351}.$$

$$(\frac{3}{7} \text{ of } 2\frac{1}{17}) \div \frac{1\frac{2}{3}}{2\frac{3}{7}} = \frac{3}{7} \times \frac{35}{17} \times \frac{3}{5} \times \frac{17}{3} = 1\frac{2}{7}.$$

$$15. \frac{8\frac{7}{8} - 7\frac{6}{8} + 5\frac{5}{8} - 4\frac{4}{8}}{9\frac{9}{16} - 8\frac{13}{16} + 7\frac{7}{8} - 6\frac{6}{8}} = \frac{1\frac{1}{8} + 1\frac{1}{8}}{1\frac{1}{8} + 1\frac{1}{8}} = 1.$$

$$1\frac{21}{43} \times \frac{37797}{75008} = \frac{64}{43} \times \frac{37797}{75008} = \frac{879}{1172} = \frac{3}{4}.$$

$$16. \frac{5 - \frac{5 - \frac{1}{5}}{1}}{3 - \frac{1}{3 - \frac{1}{3}}} \times \frac{9}{23} \text{ of } 7 = \frac{5 - \frac{5}{4}}{3 - \frac{3}{8}} \times \frac{9}{23} \times 7$$

$$= 5 \times \frac{23}{24} \times \frac{1}{3} \times \frac{8}{7} \times \frac{9}{23} \times 7 = 5.$$