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$$18) a) \frac{4}{5} : \frac{7}{10} = \frac{4}{5} \cdot \frac{10}{7} = \frac{4 \cdot 10^2}{5 \cdot 7} = \frac{8}{7} = \underline{\underline{1 \frac{1}{7}}}$$

$$b) \frac{3}{5} : \frac{9}{14} = \frac{3}{5} \cdot \frac{14}{9} = \frac{3 \cdot 14}{5 \cdot 9^3} = \frac{14}{15}$$

$$c) -\frac{3}{4} : \frac{5}{9} = -\frac{3}{4} \cdot \frac{9}{5} = -\frac{3 \cdot 9}{4 \cdot 5} = -\frac{27}{20} \\ = \underline{\underline{-1 \frac{7}{20}}}$$

$$d) \frac{3}{11} : \left(-\frac{11}{3}\right) = \frac{3}{11} \cdot \left(-\frac{3}{11}\right) = -\frac{3 \cdot 3}{11 \cdot 11} = \underline{\underline{-\frac{9}{121}}}$$

$$e) -\frac{2}{5} : \left(-\frac{7}{8}\right) = \frac{2}{5} \cdot \frac{8}{7} = \frac{2 \cdot 8}{5 \cdot 7} = \frac{16}{35}$$

$$f) -\frac{4}{13} : \frac{12}{39} = -\frac{4}{13} \cdot \frac{39}{12} = \frac{4 \cdot 39^3}{13 \cdot 12^3} = \underline{\underline{-1}}$$

$$g) \frac{12}{13} : \frac{7}{6} = \frac{12}{13} \cdot \frac{6}{7} = \frac{12 \cdot 6}{13 \cdot 7} = \frac{72}{91}$$

$$h) \frac{0}{23} : \frac{5}{8} = 0 : \frac{5}{8} = \underline{\underline{0}}$$

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$$20) a) \frac{\frac{1}{2}}{\frac{1}{3}} = \frac{1}{2} : \frac{1}{3} = \frac{1}{2} \cdot \frac{3}{1} = \frac{3}{2} = \underline{\underline{1 \frac{1}{2}}}$$

$$\frac{-\frac{21}{2}}{\frac{7}{8}} = -\frac{21}{2} : \frac{7}{8} = -\frac{21}{2} \cdot \frac{8}{7} = \frac{21 \cdot 8^4}{2 \cdot 7^4} = \underline{\underline{-12}}$$

$$\frac{-\frac{9}{10}}{\frac{10}{-9}} = -\frac{9}{10} : \left(-\frac{10}{9}\right) = \frac{9}{10} \cdot \frac{9}{10} = \frac{81}{100}$$