

2. Hw  
9.21

e)

$$\frac{\frac{8}{6}}{\frac{7}{1}} = \frac{\overset{4}{\cancel{8}} \times 1}{\underset{3}{\cancel{6}} \times 7} = \frac{4}{21}$$

f)

$$\frac{\frac{2}{19}}{\frac{4}{1}} = \frac{\overset{1}{\cancel{2}} \times 1}{19 \times \underset{2}{\cancel{4}}} = \frac{1}{38}$$

g)

$$\frac{\frac{7}{9}}{\frac{28}{1}} = \frac{\overset{1}{\cancel{7}} \times 1}{9 \times \underset{4}{\cancel{28}}} = \frac{1}{36}$$

h)

$$\frac{\frac{5}{3}}{\frac{10}{1}} = \frac{\overset{1}{\cancel{5}} \times 1}{3 \times \underset{2}{\cancel{10}}} = \frac{1}{6}$$

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$$i) \frac{20}{7} \div \frac{15}{7} = \frac{20 \times 15}{7 \times 7} = \frac{300}{49}$$

$$j) \frac{10}{1\frac{2}{3}} = \frac{10}{\frac{5}{3}} = \frac{10 \times 3}{5} = 6$$

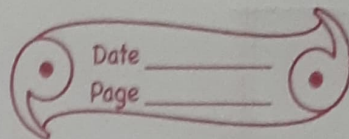
$$k) \frac{24}{3\frac{1}{3}} = \frac{24}{\frac{10}{3}} = \frac{24 \times 3}{10} = \frac{36}{5} = 7\frac{1}{5}$$

$$l) \frac{3\frac{3}{4}}{1\frac{1}{2}} = \frac{\frac{15}{4}}{\frac{3}{2}} = \frac{15 \times 2}{4 \times 3} = \frac{5}{2} = 2\frac{1}{2}$$

$$1. e) \frac{22}{25} \div \frac{11}{15}$$

$$\frac{22 \times 15}{25 \times 11} = \frac{6}{5} = 1\frac{1}{5}$$

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$$f) \frac{26}{27} \div \frac{13}{15}$$

$$\frac{26 \times 15}{27 \times 13} = \frac{10}{9} = 1\frac{1}{9}$$

$$g) 45 \div \frac{3}{8}$$

$$\frac{45 \times 8}{1 \times 3} = \frac{120}{1}$$

$$h) 91 \div \frac{26}{27}$$

$$\frac{91 \times 27}{1 \times 26} = \frac{189}{2}$$

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i)  $12\frac{4}{15} \div 2\frac{1}{27}$

$$\frac{184}{15} \div \frac{55}{27} = \frac{184}{15} \times \frac{27}{55} = \frac{1656}{275}$$

$$= 6\frac{6}{275}$$

ii)  $4\frac{2}{3} \div 1\frac{1}{2} \div 1\frac{2}{3} =$

$$\frac{14}{3} \times \frac{2}{1} \times \frac{3}{5} = \frac{28}{5} = 5\frac{3}{5}$$