

5.54

(261)

$$a) \frac{2}{3} : \frac{2}{9} = \frac{2}{3} \cdot \frac{9}{2} = \frac{18}{6} = 3$$

$$b) \frac{1}{3} : \frac{3}{5} = \frac{1}{3} \cdot \frac{5}{3} = \frac{5}{9}$$

$$c) \frac{5}{6} : \frac{5}{9} = \frac{5}{6} \cdot \frac{9}{5} = \frac{45}{30} \stackrel{(15)}{=} \frac{3}{2} = 1\frac{1}{2}$$

$$d) \frac{2}{5} : \frac{4}{15} = \frac{2}{5} \cdot \frac{15}{4} = \frac{30}{20} \stackrel{(10)}{=} \frac{3}{2} = 1\frac{1}{2}$$

(262)

$$a) \frac{1}{3} : 2 = \frac{1}{3} : \frac{2}{1} = \frac{1}{3} \cdot \frac{1}{2} = \frac{1}{6}$$

$$b) 1\frac{2}{3} : \frac{5}{7} = \frac{5}{3} : \frac{5}{7} = \frac{5}{3} \cdot \frac{7}{5} = \frac{35}{15} \stackrel{(5)}{=} \frac{7}{3} = 2\frac{1}{3}$$

$$c) 3\frac{2}{3} : 1\frac{1}{6} = \frac{11}{3} : \frac{7}{6} = \frac{11}{3} \cdot \frac{6}{7} = \frac{66}{21} \stackrel{(3)}{=} \frac{22}{7} = 3\frac{1}{7}$$

$$d) 2\frac{2}{5} : \frac{3}{7} = \frac{12}{5} : \frac{3}{7} = \frac{12}{5} \cdot \frac{7}{3} = \frac{84}{15} = 5\frac{9}{15} \stackrel{(3)}{=} 5\frac{3}{5}$$

↪ $\left(\frac{28}{5} =\right)$