

Exercise 18

$$1. (a) \frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} = \frac{1}{24}$$

$$(b) 2 \times \frac{1}{4} \times \frac{1}{3} = \frac{1}{6}$$

$$(c) \frac{2^1}{5} \times \frac{1}{2} \times 5^1 = 1$$

$$(d) \frac{2}{3} \times \frac{3^1}{4} \times \frac{4^1}{5} = \frac{2}{5}$$

$$2. \frac{2}{3} \times \frac{9}{42} \times \frac{4}{273} = \frac{1}{18}$$

$$3. \frac{14}{25} \times \frac{35}{51} \times \frac{17}{49} = \frac{2}{15}$$

$$4. \frac{42}{65} \times \frac{39}{56} \times \frac{27}{273} = \frac{2}{5}$$

$$5. \frac{6 \frac{7}{8}}{2} \times \frac{6 \frac{2}{11}}{11} \times \frac{3}{10}$$

$$= \frac{63}{8} \times \frac{68}{11} \times \frac{3}{10}$$

$$=$$

$$5. 6 \frac{7}{8} \times 6 \frac{2}{11} \times \frac{3}{10}$$

$$= \frac{55}{8} \times \frac{68}{11} \times \frac{3}{10}$$

$$= \frac{51}{4}$$

$$7. 4 \frac{5}{8} \times \frac{27}{35} \times 7 \times 1 \frac{3}{37}$$

$$= \frac{37}{8} \times \frac{27}{35} \times 7 \times \frac{40}{37}$$

$$= 27$$

$$6. 2 \frac{1}{9} \times \frac{5}{38} \times 2 \frac{1}{5}$$

$$= \frac{19}{9} \times \frac{5}{38} \times \frac{11}{5}$$

$$= \frac{11}{18}$$

$$8. \frac{5}{21} \times \frac{7}{15} \times 2 \frac{1}{4} \times \frac{12}{35} \times 23 \frac{1}{3}$$

$$= \frac{5}{21} \times \frac{7}{15} \times \frac{9}{4} \times \frac{12}{35} \times \frac{70}{3}$$

$$= 2$$