

(Key)

Express the answers in lowest terms.

1. (a) $\frac{1}{4} \div \frac{1}{2}$

$$\frac{1}{4} \times \frac{2}{1} = \frac{1}{2}$$

(b) $\frac{3}{8} \div \frac{3}{4}$

$$\frac{3}{8} \times \frac{4}{3} = \frac{1}{2}$$

(c) $\frac{2}{5} \div \frac{3}{5}$

$$\frac{2}{5} \times \frac{5}{3} = \frac{2}{3}$$

(d) $\frac{1}{3} \div \frac{3}{8}$

$$\frac{1}{3} \times \frac{8}{3} = \frac{8}{9}$$

2. (a) $2\frac{1}{2} \div \frac{5}{8}$

$$\frac{5}{2} \times \frac{8}{5} = 4$$

(b) $3\frac{1}{3} \div \frac{5}{9}$

$$\frac{10}{3} \times \frac{9}{5} = 6$$

(c) $2\frac{2}{5} \div \frac{7}{10}$

$$\frac{12}{5} \times \frac{10}{7} = 3\frac{3}{7}$$

(d) $2\frac{1}{4} \div \frac{5}{8}$

$$\frac{9}{4} \times \frac{8}{5} = 3\frac{3}{5}$$

3. (a) $\frac{3}{8} \div 3\frac{3}{4}$

$$\frac{3}{8} \times \frac{4}{15} = \frac{1}{10}$$

(b) $\frac{9}{10} \div 3\frac{1}{2}$

$$\frac{9}{10} \times \frac{2}{7} = \frac{9}{35}$$

(c) $\frac{1}{4} \div 3\frac{1}{4}$

$$\frac{1}{4} \times \frac{4}{13} = \frac{1}{13}$$

(d) $\frac{3}{4} \div 1\frac{1}{3}$

$$\frac{3}{4} \times \frac{3}{4} = \frac{9}{16}$$

4. (a) $2\frac{1}{2} \div 3\frac{3}{4}$

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

(b) $1\frac{2}{8} \div 2\frac{3}{8}$

$$\frac{10}{8} \times \frac{8}{19} = \frac{10}{19}$$

(c) $3\frac{3}{8} \div 2\frac{1}{2}$

$$\frac{27}{8} \times \frac{2}{5} = 1\frac{7}{20}$$

(d) $3\frac{9}{10} \div 3\frac{3}{5}$

$$\frac{39}{10} \times \frac{5}{18} = 1\frac{1}{12}$$

5. (a) $\frac{1}{3} \div \frac{3}{5}$

$$\frac{1}{3} \times \frac{5}{3} = \frac{5}{9}$$

(b) $1\frac{2}{3} \div \frac{5}{9}$

$$\frac{5}{3} \times \frac{9}{5} = 3$$

(c) $\frac{1}{3} \div 2\frac{2}{3}$

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

(d) $2\frac{3}{8} \div 2\frac{3}{4}$

$$\frac{19}{8} \times \frac{4}{11} = \frac{19}{22}$$

Try These!

DO BACKWARDS!

6. (a) $\frac{2}{5} \div \boxed{\frac{1}{10}} = 4$

(b) $3\frac{3}{4} \div \boxed{\frac{5}{8}} = 6$

(c) $2\frac{1}{2} \div \boxed{\frac{25}{32}} = 3\frac{1}{5}$

(d) $\boxed{\frac{3}{4}} \div 3\frac{1}{2} = \frac{3}{14}$

eg. $\frac{2}{5} \div 4$

$$= \frac{2}{5} \times \frac{1}{4} = \frac{1}{10}$$