

$$1) a. \frac{35}{44} \div 70$$

$$= \frac{35}{44} \div \frac{70}{1}$$

$$= \frac{35}{44} \times \frac{1}{\frac{70}{2}} = \frac{1}{88}$$

$$b. \frac{12}{13} \div 15$$

$$= \frac{12}{13} \div \frac{15}{1}$$

$$= \frac{12}{13} \times \frac{1}{\frac{15}{3}} = \frac{4}{65}$$

$$c. \frac{8}{13} \div \frac{2}{13}$$

$$= \frac{8}{13} \times \frac{13}{\frac{2}{4}} = \frac{52}{13} = 24 = 4 = 4$$

$$(d) \frac{5}{12} \div \frac{10}{21}$$

$$= \frac{5}{12} \times \frac{21}{\frac{10}{2}} = \frac{21}{24} = \frac{7}{8}$$

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

$$= \frac{22}{25} \times \frac{15}{\frac{11}{3}} = \frac{6}{5} = 1\frac{1}{5}$$

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

$$= \frac{26}{27} \times \frac{15}{\frac{13}{5}} = \frac{10}{9} = 1\frac{1}{9}$$

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

$$= \frac{45}{1} \div \frac{3}{8}$$

$$2 \frac{15}{15} \times \frac{8}{8} = \frac{120}{9} = 13\frac{4}{3}$$

~~$$2 \frac{12}{15} \times \frac{7}{7} = \frac{84}{15} = 5\frac{4}{5}$$~~

~~$$\frac{189}{15} = 12\frac{3}{5}$$~~

~~$$2 \frac{189}{15} \times \frac{7}{7} = \frac{1323}{15} = 88\frac{3}{5}$$~~

$$(b) 91 \div \frac{26}{27}$$

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

$$= \frac{91 \times 27}{1 \times 26} = \frac{2457}{26} = 94\frac{13}{26} = 94\frac{1}{2}$$

~~$$2 \frac{12}{15} \times \frac{7}{7} = \frac{84}{15} = 5\frac{4}{5}$$~~

~~$$\frac{189}{15} = 12\frac{3}{5}$$~~

~~$$2 \frac{189}{15} \times \frac{7}{7} = \frac{1323}{15} = 88\frac{3}{5}$$~~

$$(i) 12\frac{4}{15} \div 7\frac{1}{27}$$

$$= \frac{184}{15} \div \frac{55}{27}$$

$$= \frac{184 \times 27}{15 \times 55} = \frac{4968}{825} = 5\frac{6}{275}$$

$$\textcircled{1} \left(\frac{3}{4} \div \frac{2}{5} \right) = \frac{3}{4} \times \frac{5}{2} = \frac{15}{8}$$

$$\left(\frac{3}{4} \div \frac{2}{5} \right) = \frac{15}{8}$$

$$\frac{3}{4} \div \frac{2}{5} = \frac{3}{4} \times \frac{5}{2} = \frac{15}{8}$$

$$\frac{3}{4} \div \frac{2}{5} = \frac{15}{8}$$

~~$$\frac{3}{4} \div \frac{2}{5} = \frac{3}{4} \times \frac{5}{2} = \frac{15}{8}$$~~

$$\frac{3}{4} \div \frac{2}{5} = \frac{15}{8}$$

(k) ~~$\frac{14}{3} = 1\frac{1}{3}$~~ ~~$\frac{1}{2} = \frac{1}{3}$~~ $2\frac{2}{4} = 1\frac{3}{6} = \frac{3}{3}$

~~$\frac{14}{3} = \frac{3}{2}$~~ ~~$\frac{104}{4} = \frac{13}{10} = \frac{8}{13}$~~

~~$\frac{10}{4} \times \frac{10}{10} \times \frac{13}{13}$~~ $\frac{3}{4} \times \frac{5}{10} \times \frac{1}{13} = \frac{15}{2} = 7\frac{1}{2}$

(l) $4\frac{2}{3} = 1\frac{1}{2} = 1\frac{2}{3}$

~~$\frac{14}{3} = \frac{3}{2} = \frac{5}{3}$~~

~~$\frac{14}{3} \times \frac{2}{3} \times \frac{3}{5} = \frac{28}{15} = 1\frac{13}{15}$~~

2. (a) ~~$\frac{3}{10}$~~

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

$= \frac{3 \times 10}{5 \times 7} = \frac{6}{7}$

(b) ~~$\frac{5}{16}$~~

$= \frac{5}{16} = \frac{9}{14}$

$= \frac{5 \times 14}{16 \times 9} = \frac{35}{72}$

(c) ~~$\frac{8}{15}$~~

$= \frac{8}{15} = \frac{35}{36}$

$= \frac{8 \times 36}{15 \times 35} = \frac{96}{175}$

(d) ~~$\frac{12}{5}$~~

$$= \frac{12}{17}$$

$$\frac{12}{17} \div \frac{5}{1}$$

$$= \frac{12 \times 1}{17 \times 5} = \frac{12}{85}$$

$$(8) \frac{8}{6}$$

$$= \frac{8}{6} \div \frac{7}{1}$$

$$= \frac{8 \times 1}{6 \times 7} = \frac{8}{42} = \frac{2}{21}$$

$$(9) \frac{2}{19}$$

$$= \frac{2}{19} \times \frac{4}{1}$$

$$= \frac{2 \times 4}{19 \times 1} = \frac{8}{19}$$

$$(10) \frac{7}{9}$$

$$= \frac{7}{9} \div \frac{28}{1}$$

$$= \frac{7 \times 1}{9 \times 28} = \frac{7}{252} = \frac{1}{36}$$

$$(11) \frac{5}{3}$$

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

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

$$(12) \frac{20}{7}$$

$$= \frac{20}{7} \div \frac{7}{19}$$

~~$$\frac{20 \times 15}{7 \times 20} = \frac{300}{140} = 2 \frac{1}{7}$$~~

$$\frac{20 \times 15}{1 \times 7 \times 2} = 2 \frac{1}{7}$$

$$g) \frac{10}{1 \frac{2}{3}}$$

$$= \frac{10}{1} \div \frac{5}{3}$$

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

$$k) \frac{24}{3 \frac{1}{5}}$$

$$= \frac{24}{1} \div \frac{16}{5}$$

$$= \frac{12 \times 3}{1 \times 2} = 18$$

$$l) \frac{3 \frac{3}{4}}{1 \frac{1}{2}}$$

$$= \frac{15}{4}$$

$$= \frac{15}{4} \div \frac{3}{2}$$

~~$$\frac{15 \times 2}{4 \times 3} = \frac{30}{12} = 2 \frac{1}{2}$$~~

$$= \frac{5}{2} = 2 \frac{1}{2}$$