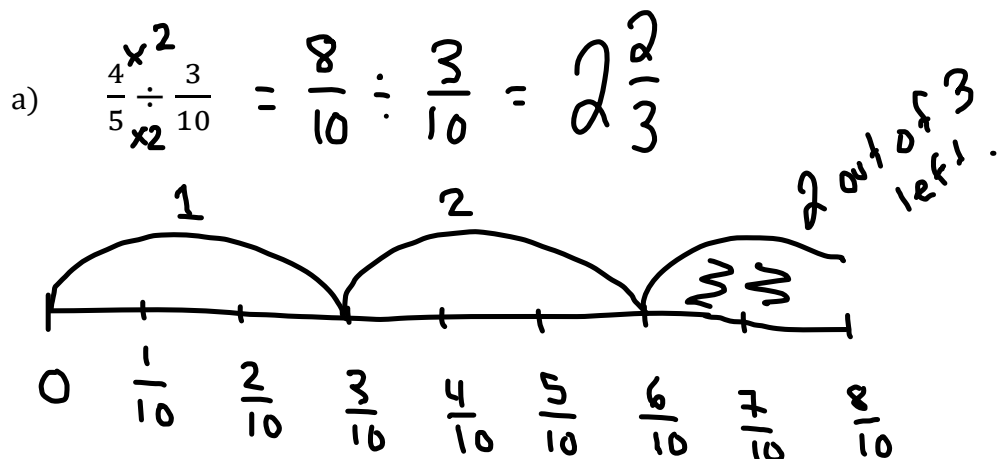
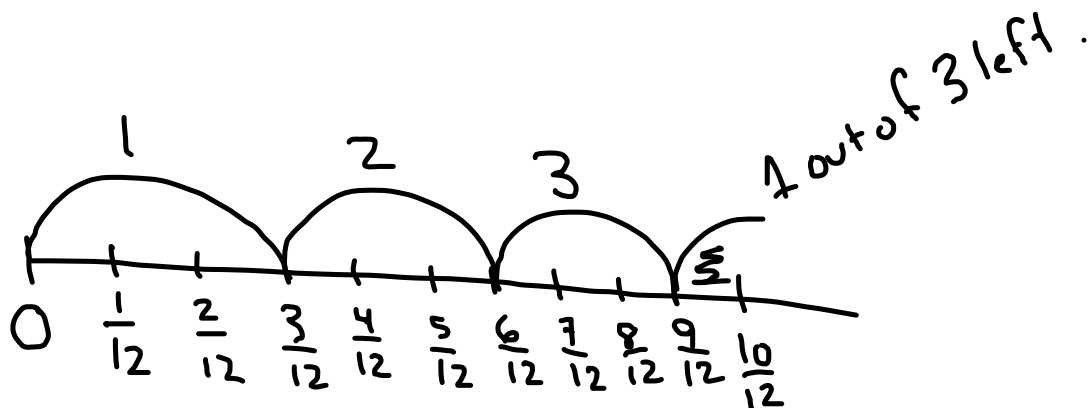


3.6 Dividing Fractions - Notes

Method 1: Number Line and Common Denominators



b) $\frac{5}{6} \div \frac{1}{4} = \frac{10}{12} \div \frac{3}{12} = 3\frac{1}{3}$



Method 2: Multiply by the Reciprocal

a) $\frac{8}{9} \div \frac{4}{3}$

Keep change change

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

$$\frac{2}{3} \times \frac{1}{1}$$

$$\frac{2}{3}$$

c) $\frac{12}{7} \div \frac{15}{14}$

K C C

$$\frac{12}{7} \times \frac{14}{15} = \frac{16}{5}$$

$$\frac{16}{5}$$

b) $\frac{5}{8} \div \frac{1}{2}$

K C C

$$= \frac{5}{8} \times \frac{2}{1}$$

$$= \frac{5}{4}$$

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

d) $\frac{9}{25} \div \frac{3}{10}$

K C C

$$\frac{9}{25} \times \frac{10}{3} = \frac{6}{5}$$

$$\frac{6}{5} \times \frac{2}{1}$$

$$\frac{6}{5} = 1\frac{1}{5}$$