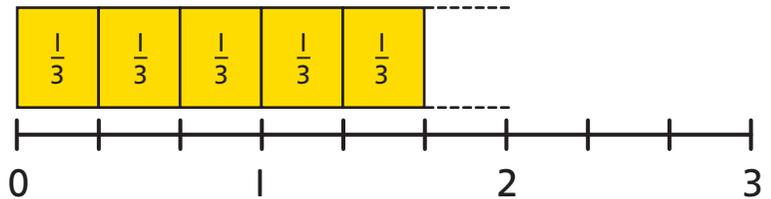


Think together

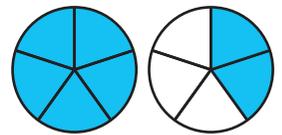
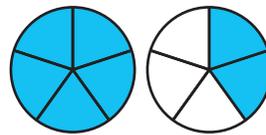
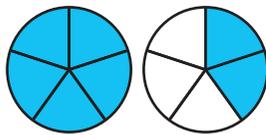
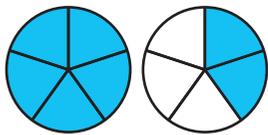
1 On Saturday the boat makes 7 trips. It uses $\frac{1}{3}$ of a tank of fuel for each trip. How many tanks of fuel are used on Saturday?

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



$\square \frac{\square}{\square}$ tanks of fuel are used.

2 A fishing boat offers fishing trips. During each trip the boat travels $1\frac{2}{5}$ km. How far does the boat travel in 4 trips? Work out the answer using both methods.



Method 1

$$\square \times 4 = \square$$

$$\frac{\square}{\square} \times 4 = \frac{\square}{\square} = \square \frac{\square}{\square}$$

$$\square + \square \frac{\square}{\square} = \square \frac{\square}{\square}$$

The boat travels $\square \frac{\square}{\square}$ km.

Method 2

$$\square \frac{\square}{\square} = \frac{\square}{\square}$$

$$\frac{\square}{\square} \times 4 = \frac{\square}{\square}$$

$$\frac{\square}{\square} = \square \frac{\square}{\square}$$

CHALLENGE

3 a) Complete the multiplications.

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

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

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

$$\frac{2}{6} \times 5 = \frac{\square}{\square}$$

$$\frac{1}{4} \times 5 = \frac{\square}{\square}$$

$$\frac{5}{6} \times 5 = \frac{\square}{\square}$$

$$\frac{1}{4} \times 9 = \frac{\square}{\square}$$

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

What patterns do you notice?

Can you find a quick way to get the answers?

I notice something between the numerator of the fraction, the whole number and the numerator of the final answer.



b) Find three fractions that multiply by a whole number to make these numbers.

$$\frac{5}{8}$$

$$\frac{10}{9}$$

$$1\frac{1}{5}$$