

IMPROPER FRACTIONS TO MIXED NUMBERS



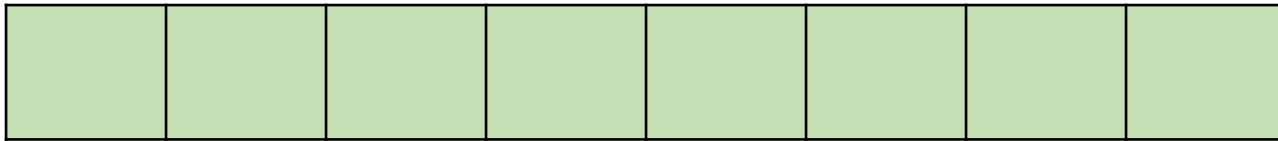
GET READY



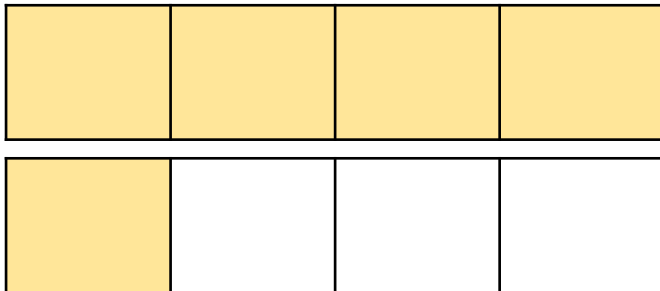
1) What fraction of the bar is shaded blue?



2) What fraction of the bar is shaded green?



3) How many parts are yellow?

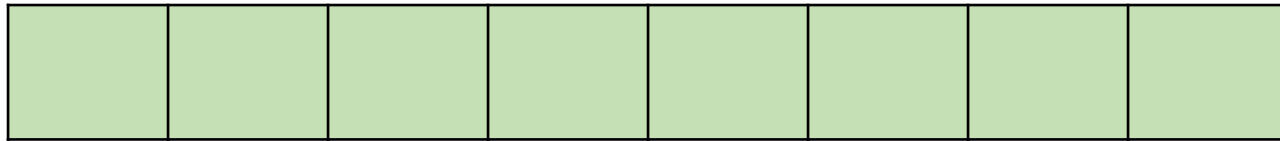


1) What fraction of the bar is shaded blue?



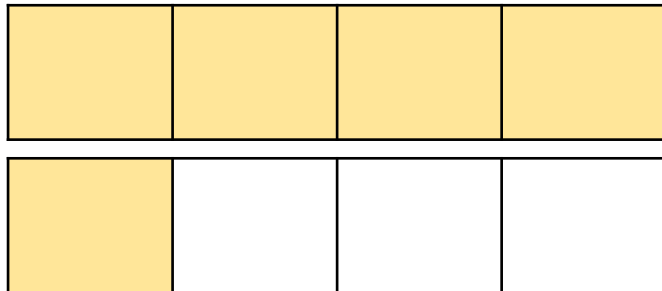
$\frac{3}{5}$

2) What fraction of the bar is shaded green?



$\frac{8}{8}$

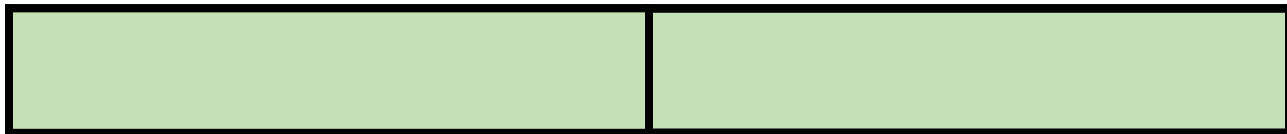
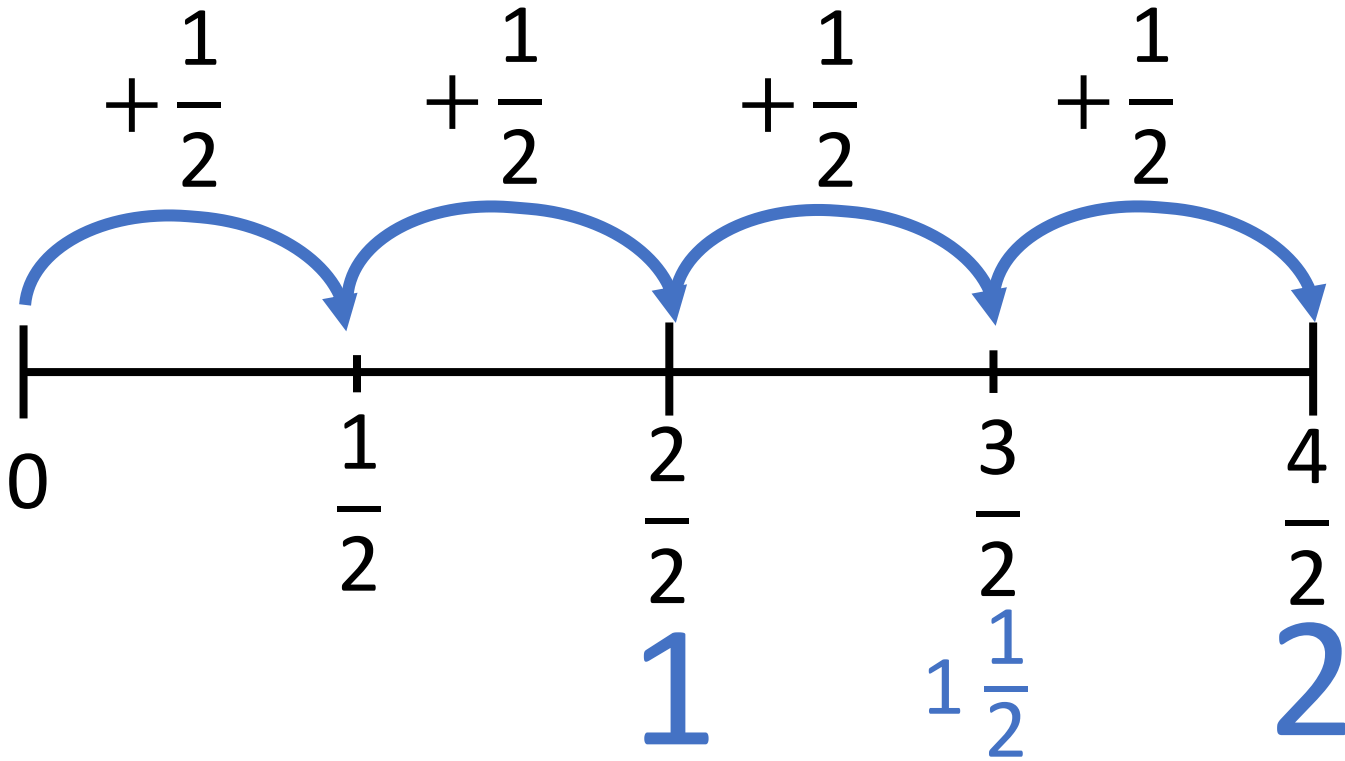
3) How many parts are yellow?

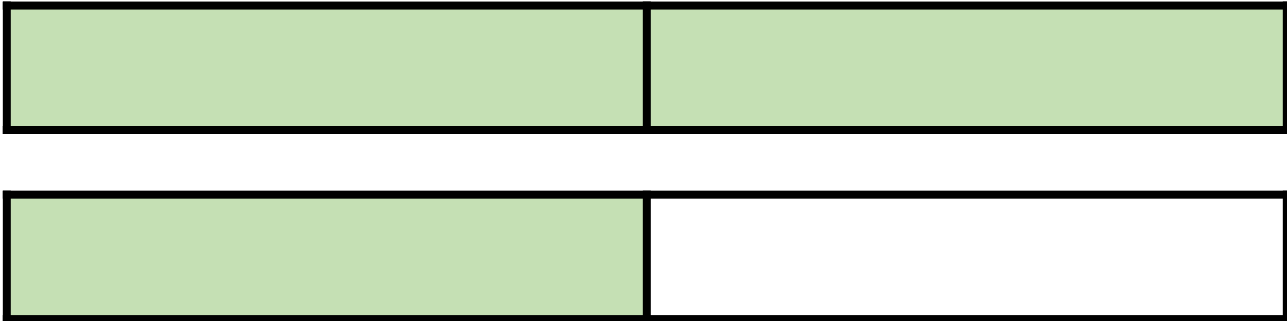


5 parts

LET'S LEARN



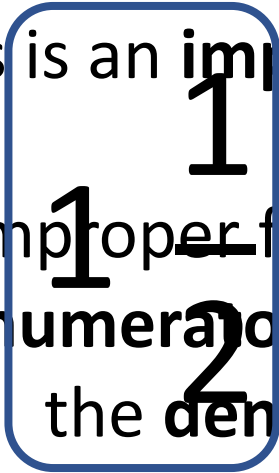




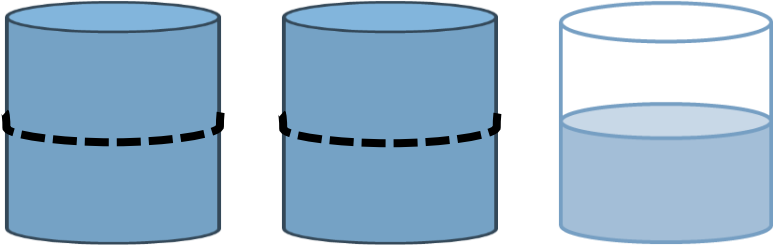
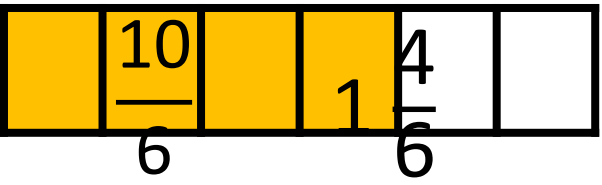
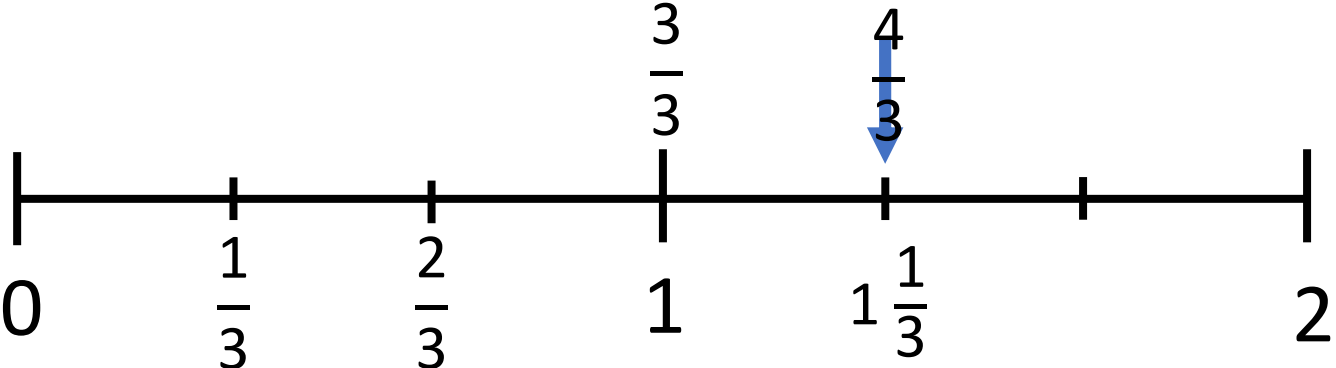
$$\frac{3}{2}$$


This is an **improper fraction** number.

An improper fraction is where the numerator is greater than the denominator.

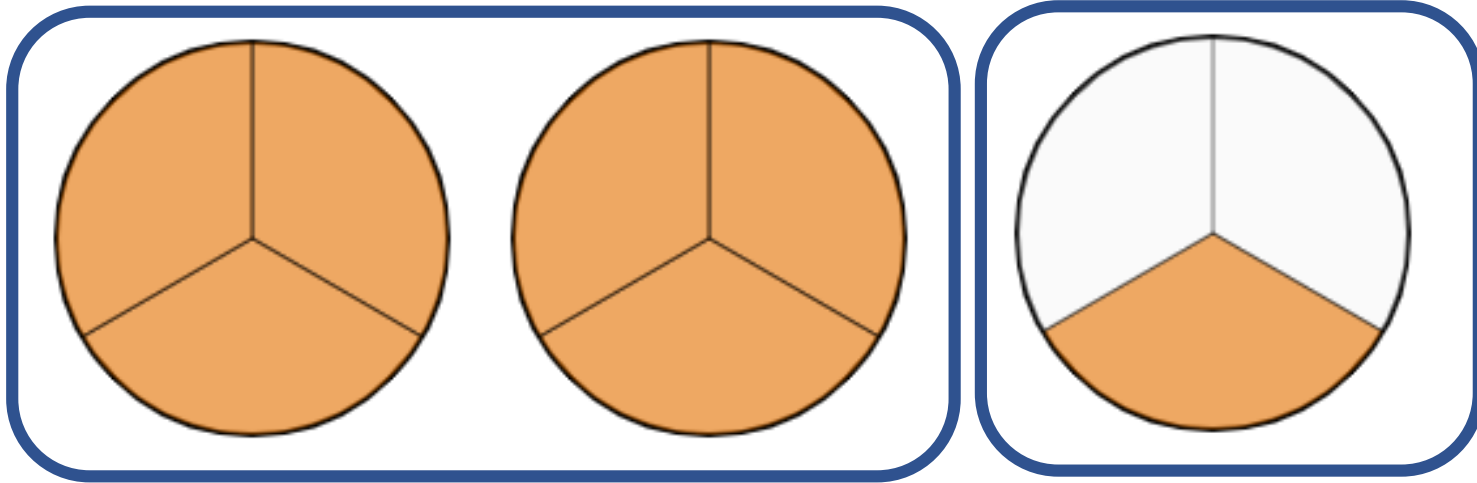


How do the representations show **mixed numbers** and **improper fractions**?



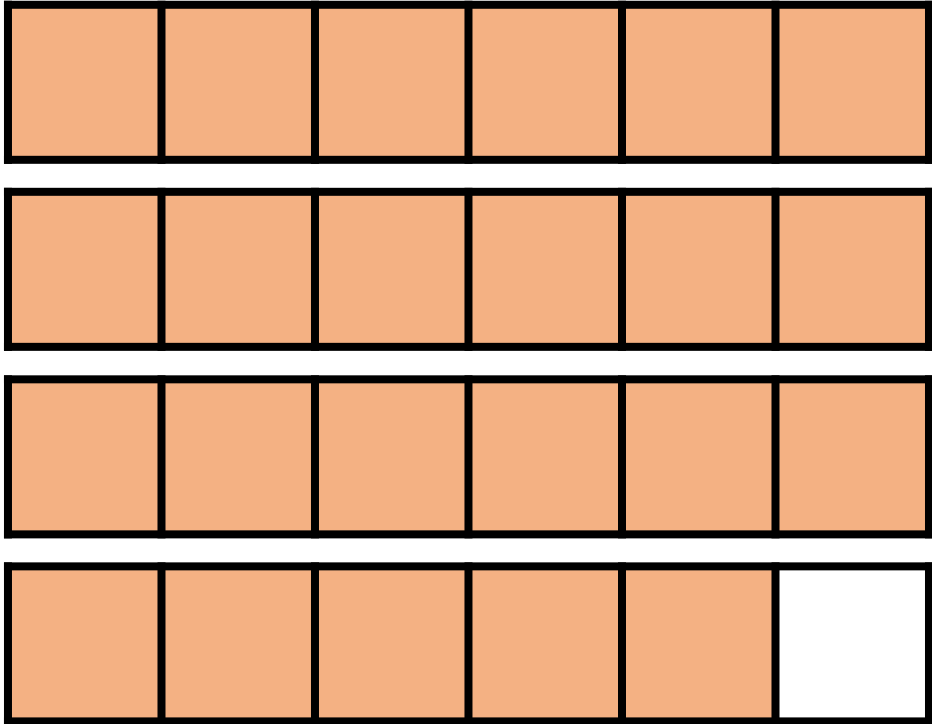
$2\frac{1}{2}$ Have a $\frac{5}{2}$ think 

Convert the improper fraction to a mixed number



$$\frac{7}{3} = 2 \frac{1}{3}$$

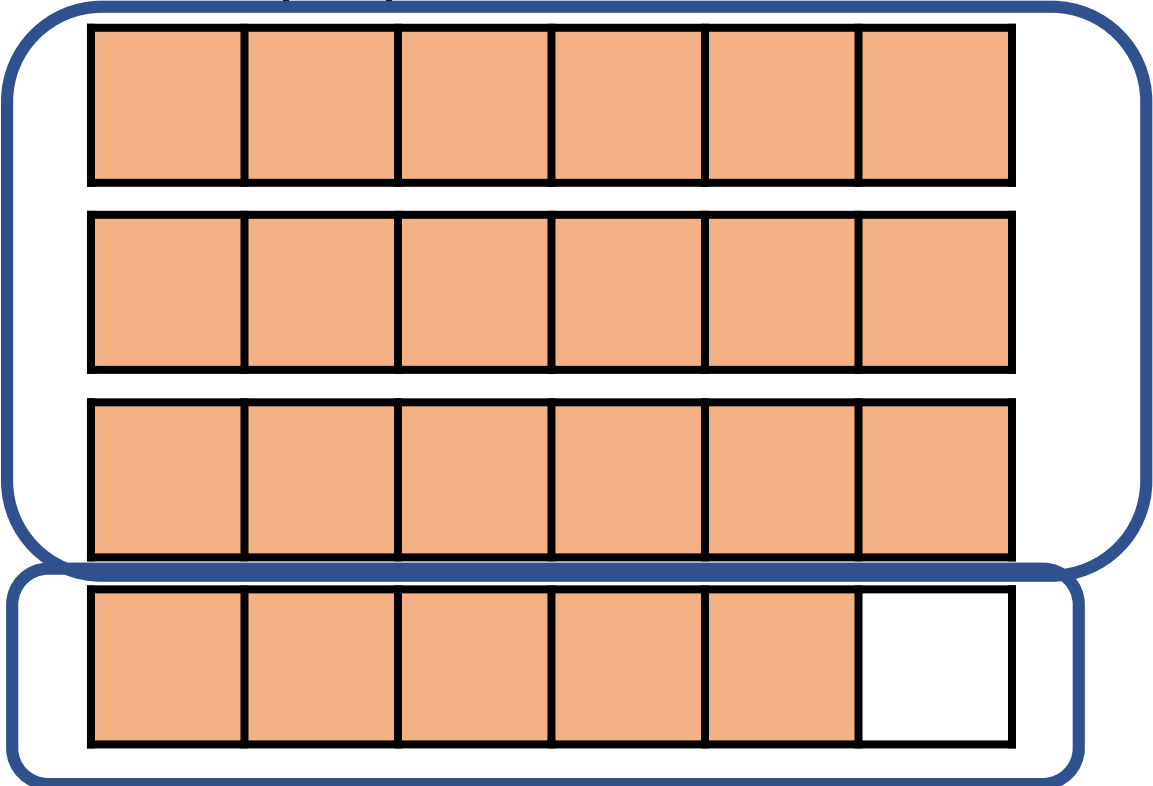
Convert the improper fraction to a mixed number



$$\frac{23}{6} = \square$$

Have a think 

Convert the improper fraction to a mixed number



$$\frac{23}{6} = 3 \frac{5}{6}$$

YOUR TURN

Have a go at questions
1 and 2 on the
worksheet



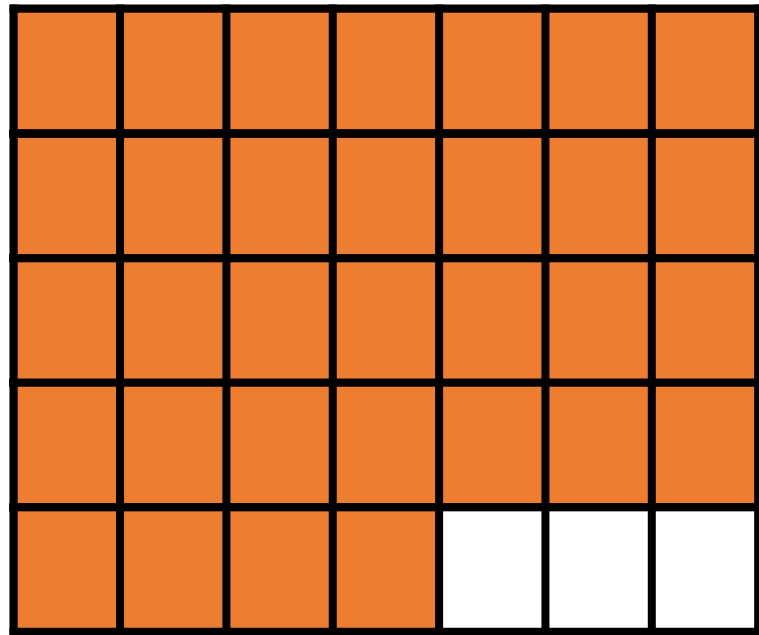
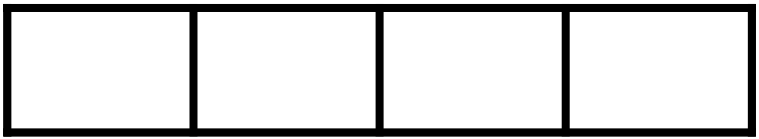
Convert the improper fractions to mixed numbers.

$$\frac{32}{7} =$$

$$32 \div 7 = 4 \text{ r } 4 \quad \frac{4}{7}$$

Convert the improper fractions to mixed numbers.

$\frac{1}{4}$ means $1 \div 4$ so $\frac{32}{7}$ means $32 \div 7$



$32 \div 7 = 4 \text{ r } 4$

$\frac{4}{7}$

↙

Have a think




Convert the improper fractions to mixed numbers

$$\frac{107}{10} = 10 \frac{7}{10}$$

$$\frac{22}{3} = 7 \frac{1}{3}$$

Find the value of  and 

$$\frac{25}{\star} = 8 \frac{\square}{\star}$$

Have a think 

Find the value of  and 

$$\frac{25}{\text{★}} = 8 \frac{\text{□}}{\text{★}}$$

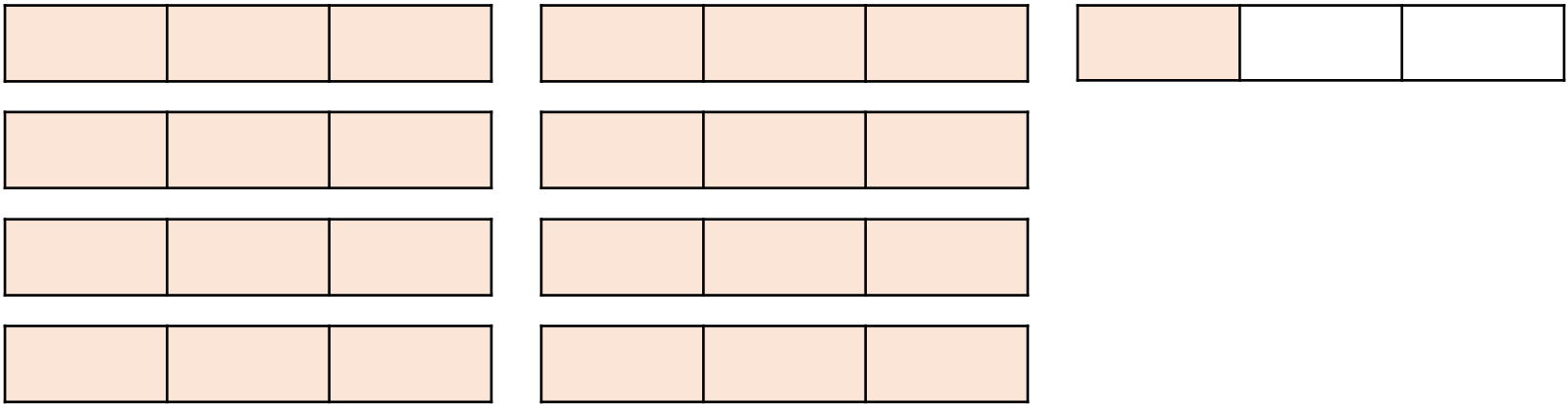
$$25 \div \text{★} = 8 \text{ r } \text{□}$$

$$25 \div 8 = \text{★} \text{ r } \text{□}$$

Find the value of  and 

$$25 \div \text{★} = 8 \text{ r } \quad 25 \div 8 = \text{★} \text{ r } \text{■}$$

$$25 \div 8 = 3 \text{ r } 1 \quad \frac{25}{3} = 8 \frac{1}{3}$$



YOUR TURN

Have a go at the rest of
the questions on the
worksheet

