



# Improper fractions and mixed numbers (2)

- Recognise mixed numbers and improper fractions and convert from one form to the other
- Connect fractions  $> 1$  that simplify to integers with division and other fractions  $> 1$  to division with remainders

Challenge

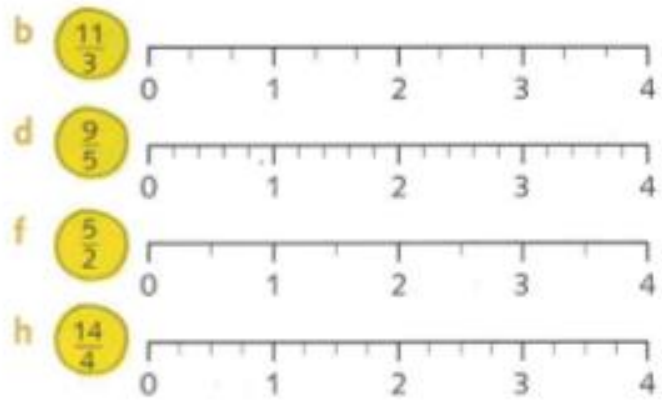
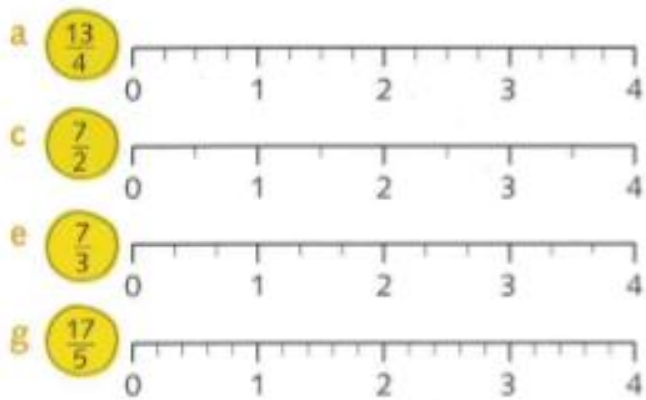
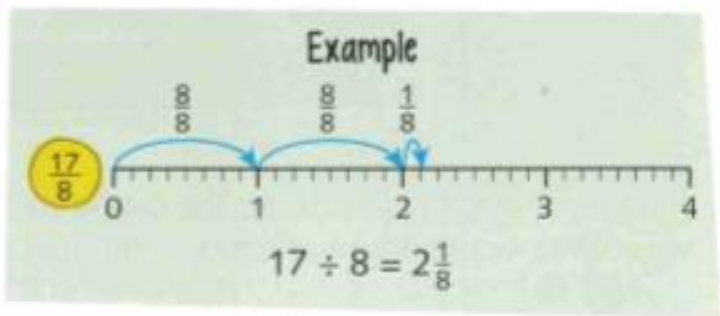
Write the improper fraction and the mixed number for each diagram.

Example

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



1 Copy the number lines and use them to convert the improper fractions to mixed numbers. Write the division calculation for each one.



2 Write ten more improper fractions. Convert them to mixed numbers. Draw a number line to help you.

1 Convert these improper fractions to mixed numbers. Write the division calculation for each one.

- |                  |                   |                   |                   |
|------------------|-------------------|-------------------|-------------------|
| a $\frac{23}{5}$ | b $\frac{18}{4}$  | c $\frac{9}{2}$   | d $\frac{15}{3}$  |
| e $\frac{31}{7}$ | f $\frac{39}{8}$  | g $\frac{47}{10}$ | h $\frac{40}{9}$  |
| i $\frac{13}{4}$ | j $\frac{34}{10}$ | k $\frac{37}{5}$  | l $\frac{39}{12}$ |

- 2 Explain the relationship between mixed numbers and improper fractions.
- 3 Write some examples of when mixed numbers may be used in real life.

