proper fractions and mixed numbers (1)

Recognise mixed numbers and improper fractions and convert from one form to the other
Write mathematical statements > 1 as a mixed number

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

Example

$\frac{6}{4} = 1\frac{2}{4}$

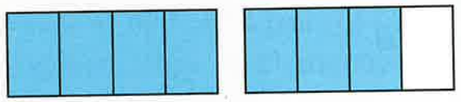
Rule

An improper fraction is when the numerator is larger than the dominator.

numerator → $\frac{6}{4}$

denominator → $\frac{6}{4}$

a



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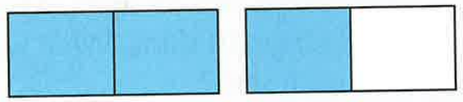

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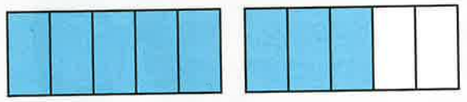

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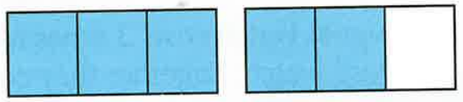

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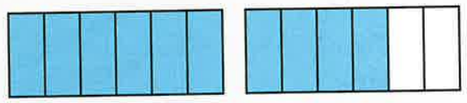

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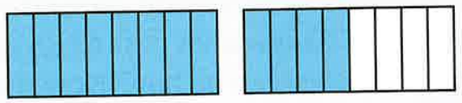

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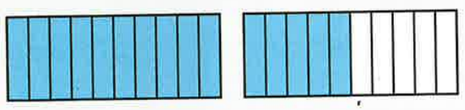

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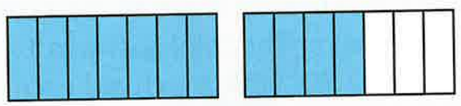


Challenge 2

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

Example

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

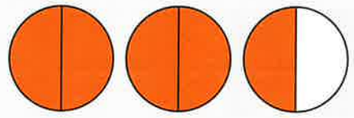
a

b

c

d

e



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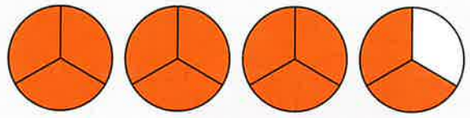

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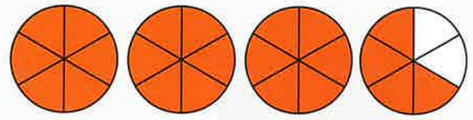

2 Change these improper fractions to mixed numbers.

Example

$\frac{5}{4} = \frac{4}{4} + \frac{1}{4} = 1\frac{1}{4}$

a $\frac{8}{5}$ b $\frac{10}{6}$ c $\frac{5}{3}$ d $\frac{9}{4}$

e $\frac{13}{5}$ f $\frac{15}{7}$ g $\frac{24}{10}$ h $\frac{19}{9}$

i $\frac{9}{2}$ j $\frac{15}{4}$ k $\frac{18}{8}$ l $\frac{50}{12}$

You could draw diagrams to help you.

Challenge 3

Change these mixed numbers to improper fractions.

Example

$2\frac{2}{7} = \frac{7}{7} + \frac{7}{7} + \frac{2}{7} = \frac{16}{7}$

a $2\frac{1}{3}$ b $2\frac{4}{5}$ c $3\frac{4}{7}$ d $3\frac{5}{8}$ e $2\frac{8}{9}$

f $4\frac{1}{2}$ g $4\frac{6}{10}$ h $5\frac{2}{3}$ i $6\frac{3}{4}$ j $7\frac{3}{5}$