

Improper 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

Challenge

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 denominator.

numerator \rightarrow $\frac{6}{4}$
denominator \rightarrow $\frac{6}{4}$



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

Example

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



2 Change these improper fractions to mixed numbers.

Example

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

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|------------------|------------------|-------------------|-------------------|
| 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.

Change these mixed numbers to improper fractions.

Example

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

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|------------------|-------------------|------------------|------------------|------------------|
| 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 $7\frac{3}{5}$ |

