

## Converting between improper fractions and mixed numbers

Match the improper fraction with the mixed number and the calculation that makes the change. Note that some calculations change improper fractions to mixed numbers and some are the other way around.

**Examples** (a)  $\frac{9}{4}$  can be converted to  $2\frac{1}{4}$  because  $9 \div 4 = 2$  rem 1. (Rem means remainder.)  
(b)  $3\frac{1}{5}$  can be converted to  $\frac{16}{5}$  because  $3 \times 5 + 1 = 16$ .

### Improper fractions

A  $\frac{7}{2}$

B  $\frac{12}{5}$

C  $\frac{15}{7}$

D  $\frac{11}{4}$

E  $\frac{13}{4}$

F  $\frac{17}{5}$

G  $\frac{8}{3}$

H  $\frac{9}{2}$

I  $\frac{9}{5}$

### Mixed numbers

i  $3\frac{1}{4}$

ii  $4\frac{1}{2}$

iii  $3\frac{2}{5}$

iv  $2\frac{2}{5}$

v  $3\frac{1}{2}$

vi  $1\frac{4}{5}$

vii  $2\frac{3}{4}$

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

ix  $2\frac{1}{7}$

### Conversion calculation

a  $15 \div 7 = 2$  rem 1

b  $3 \times 2 + 1 = 7$

c  $12 \div 5 = 2$  rem 2

d  $2 \times 4 + 3 = 11$

e  $2 \times 4 + 1 = 9$

f  $1 \times 5 + 4 = 9$

g  $3 \times 4 + 1 = 13$

h  $8 \div 3 = 2$  rem 2

i  $17 \div 5 = 3$  rem 2