Convert improper fractions to mixed numbers

1 Each counter represents one-third.

a) How many thirds are there? ☐

b) Write this as an improper fraction. ☐

c) Circle groups of 3 thirds.

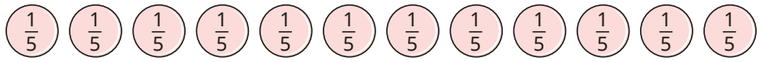
d) Complete the sentences.

There are ☐ groups of 3 thirds.

There are ☐ thirds remaining.

As a mixed number, this is ☐

2 Each counter represents one-fifth.



Complete the sentences.

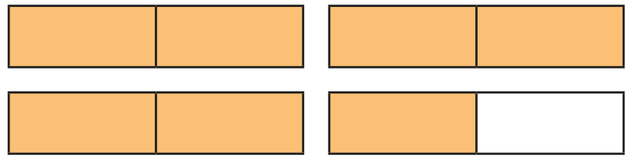
There are ☐ groups of 5 fifths.

There are ☐ fifths remaining.

As a mixed number, $\frac{12}{5}$ is ☐

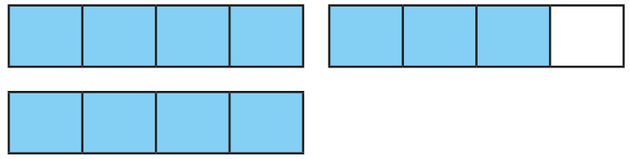
3 Convert the improper fractions to mixed numbers.

a)



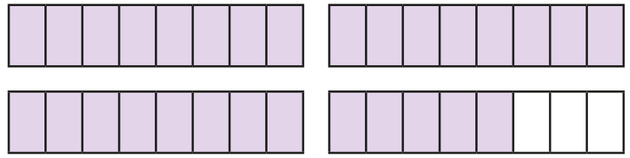
$\frac{7}{2} =$ ☐

b)



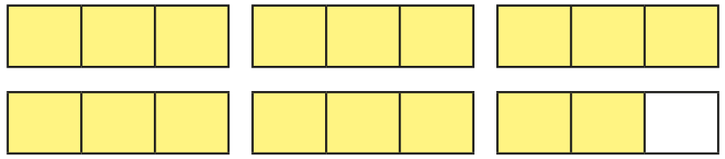
$\frac{11}{4} =$ ☐

c)



$\frac{29}{8} =$ ☐

d)



$\frac{17}{3} =$ ☐

4 Max is converting $\frac{23}{6}$ to a mixed number.

I can divide the numerator by the denominator to turn it into a mixed number.

$23 \div 6 = 3$ r5

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

Use Max's method to convert the improper fractions to mixed numbers.

a) $\frac{17}{4} =$ ☐

c) $\frac{19}{9} =$ ☐

b) $\frac{23}{7} =$ ☐

d) $\frac{51}{8} =$ ☐

5 Annie is converting $\frac{60}{5}$

I know that $\frac{60}{5}$ is equivalent to an integer, because 60 can be divided by 5 with no remainder.

Tick the improper fractions that are equivalent to an integer.

$\frac{113}{10}$	$\frac{37}{2}$	$\frac{72}{3}$	$\frac{85}{5}$	$\frac{68}{11}$	$\frac{68}{4}$

Compare answers with a partner.

6

$\frac{72}{5} = 14\frac{2}{5}$

Use this fact to convert the improper fractions to mixed numbers.

a) $\frac{73}{5} =$ ☐

c) $\frac{77}{5} =$ ☐

b) $\frac{74}{5} =$ ☐

d) $\frac{62}{5} =$ ☐

7 Whitney, Jo and Ron are using the digit cards to make mixed numbers and improper fractions.

1	2	4	5	6

All their fractions have 6 as the denominator.

$3\frac{2}{6}$

Whitney

$5\frac{3}{6}$

Jo

My improper fraction is greater than Whitney's number, but less than Jo's number.

Ron

What could Ron's improper fraction be?

☐/6

Compare answers with a partner.