

Improper Fractions

1) Ring or write down any mixed number that is equivalent to the improper fraction.

$\frac{13}{3}$	$2\frac{2}{3}$	$4\frac{1}{3}$	$5\frac{1}{3}$	$4\frac{2}{3}$	$2\frac{2}{3}$
$\frac{14}{4}$	$3\frac{2}{4}$	$4\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{4}$	$2\frac{1}{2}$
$\frac{16}{10}$	$1\frac{4}{10}$	$1\frac{2}{5}$	$1\frac{3}{5}$	$1\frac{6}{10}$	$1\frac{8}{10}$
$\frac{20}{6}$	$2\frac{2}{3}$	$3\frac{2}{6}$	$3\frac{2}{3}$	$2\frac{1}{3}$	$3\frac{1}{3}$
$\frac{19}{5}$	$4\frac{1}{5}$	$4\frac{2}{5}$	$3\frac{4}{5}$	$3\frac{3}{5}$	$5\frac{1}{5}$

2) Write the following improper fractions as mixed numbers.

- | | | |
|----------------------------|----------------------------|----------------------------|
| a) $\frac{22}{3} =$ _____ | f) $\frac{14}{5} =$ _____ | k) $\frac{23}{10} =$ _____ |
| b) $\frac{5}{2} =$ _____ | g) $\frac{16}{3} =$ _____ | l) $\frac{19}{4} =$ _____ |
| c) $\frac{21}{6} =$ _____ | h) $\frac{17}{8} =$ _____ | m) $\frac{19}{7} =$ _____ |
| d) $\frac{34}{10} =$ _____ | i) $\frac{22}{9} =$ _____ | n) $\frac{21}{5} =$ _____ |
| e) $\frac{31}{4} =$ _____ | j) $\frac{27}{12} =$ _____ | o) $\frac{30}{6} =$ _____ |

3) Answer these questions, writing your answer as mixed numbers.

- a) 27 children sit at tables of 6, filling all the tables where possible. Express how the tables are filled using a mixed number.

- b) A teacher asks 2 children to sort 73 tennis balls into baskets of 10 balls, filling the baskets where possible. Express how the baskets are filled using a mixed number.

- c) A pizza van sells pizza slices. Each slice is one quarter of a pizza. At the end of the day the pizza seller works out how many pizzas he has left. On one day he has 9 pieces. How many pizzas does he have left?

- d) Write some of your own questions for which the answer is a mixed number.

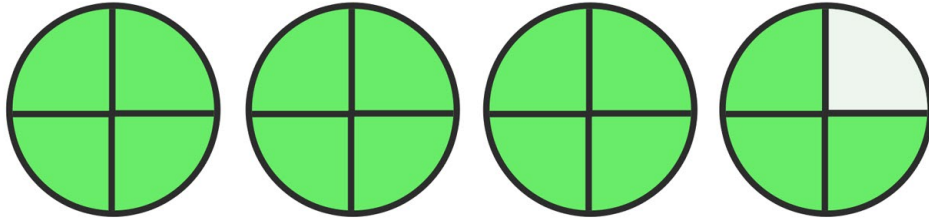
Improper Fractions

1) Write the improper fractions and mixed numbers represented by the shapes below.

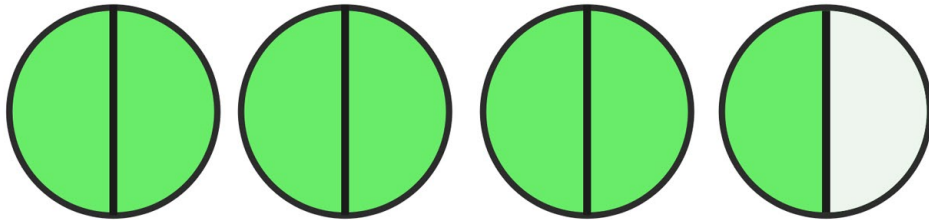
Improper Fraction

Mixed Number

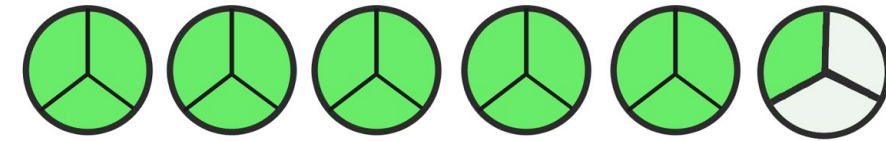
a)



b)



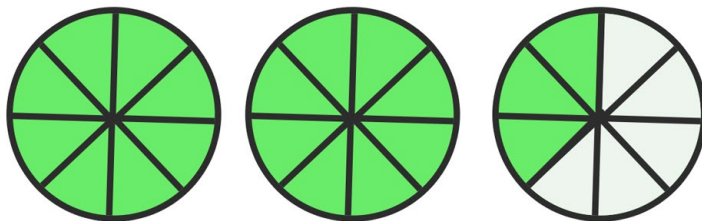
c)



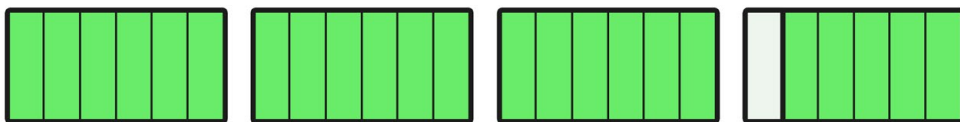
d)



e)



f)



Improper Fractions **Answers**

1) Ring or write down any mixed number that is equivalent to the improper fraction.

$\frac{13}{3}$	$2\frac{2}{3}$	$4\frac{1}{3}$	$5\frac{1}{3}$	$4\frac{2}{3}$	$2\frac{2}{3}$
$\frac{14}{4}$	$3\frac{2}{4}$	$4\frac{1}{2}$	$3\frac{1}{2}$	$4\frac{1}{4}$	$2\frac{1}{2}$
$\frac{16}{10}$	$1\frac{4}{10}$	$1\frac{2}{5}$	$1\frac{3}{5}$	$1\frac{6}{10}$	$1\frac{8}{10}$
$\frac{20}{6}$	$2\frac{2}{3}$	$3\frac{2}{6}$	$3\frac{2}{3}$	$2\frac{1}{3}$	$3\frac{1}{3}$
$\frac{19}{5}$	$4\frac{1}{5}$	$4\frac{2}{5}$	$3\frac{4}{5}$	$3\frac{3}{5}$	$5\frac{1}{5}$

2) Write the following improper fractions as mixed numbers.

a) $\frac{22}{3} = 7\frac{1}{3}$

f) $\frac{14}{5} = 2\frac{4}{5}$

k) $\frac{23}{10} = 2\frac{3}{10}$

b) $\frac{5}{2} = 2\frac{1}{2}$

g) $\frac{16}{3} = 5\frac{1}{3}$

l) $\frac{19}{4} = 4\frac{3}{4}$

c) $\frac{21}{6} = 3\frac{1}{2}$ or $3\frac{3}{6}$

h) $\frac{17}{8} = 2\frac{1}{8}$

m) $\frac{19}{7} = 2\frac{5}{7}$

d) $\frac{34}{10} = 3\frac{4}{10}$ or $3\frac{2}{5}$

i) $\frac{22}{9} = 2\frac{4}{9}$

n) $\frac{21}{5} = 4\frac{1}{5}$

e) $\frac{31}{4} = 7\frac{3}{4}$

j) $\frac{27}{12} = 2\frac{3}{12}$

o) $\frac{30}{6} = 5$

3) Answer these questions, writing your answer as mixed numbers.

a) 27 children sit at tables of 6, filling all the tables where possible. Express how the tables are filled using a mixed number. $4\frac{3}{6}$ or $4\frac{1}{2}$

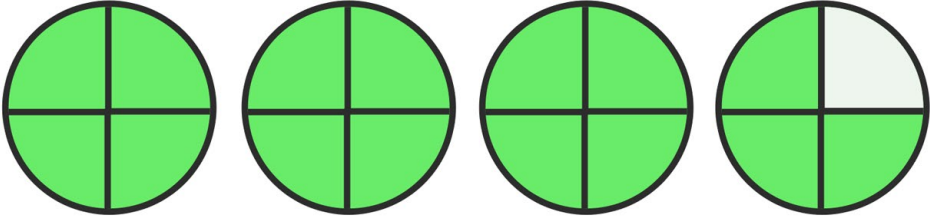
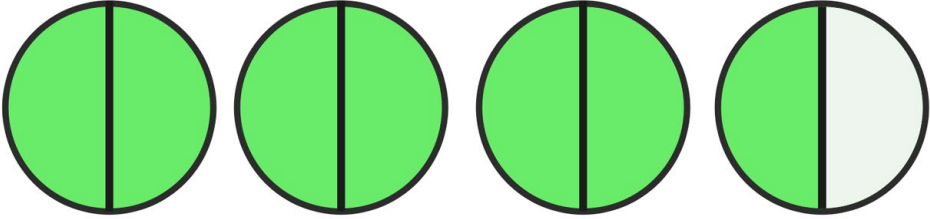
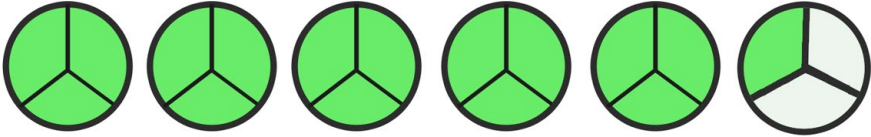
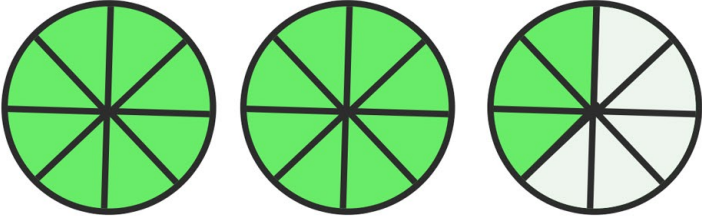
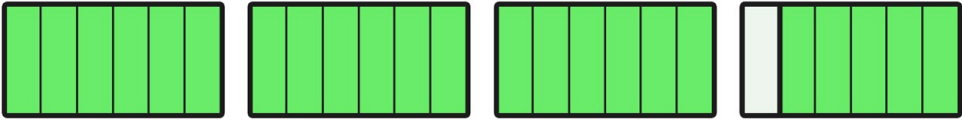
b) A teacher asks 2 children to sort 73 tennis balls into baskets of 10 balls, filling the baskets where possible. Express how the baskets are filled using a mixed number. $7\frac{3}{10}$

c) A pizza van sells pizza slices. Each slice is one quarter of a pizza. At the end of the day the pizza seller works out how many pizzas he has left. On one day he has 9 pieces. How many pizzas does he have left? $2\frac{1}{4}$

d) Write some of your own questions for which the answer is a mixed number.

Improper Fractions

1) Write the improper fractions and mixed numbers represented by the shapes below.

	Improper Fraction		Mixed Number
a)	$\frac{15}{4}$		$3\frac{3}{4}$
b)	$\frac{7}{2}$		$3\frac{1}{2}$
c)	$\frac{16}{3}$		$5\frac{1}{3}$
d)	$\frac{13}{5}$		$2\frac{3}{5}$
e)	$\frac{19}{8}$		$2\frac{3}{8}$
f)	$\frac{23}{6}$		$3\frac{5}{6}$