Improper Fractions

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

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

2. Write the following improper fractions as mixed number.

a. $\dfrac{22}{3}$ = _____

b. $\dfrac{5}{2}$ = _____

c. $\dfrac{21}{6}$ = _____

d. $\dfrac{34}{10}$ = _____

e. $\dfrac{31}{4}$ = _____

f. $\dfrac{14}{5}$ = _____

g. $\dfrac{16}{3}$ = _____

h. $\dfrac{17}{8}$ = _____

i. $\dfrac{22}{9}$ = _____

j. $\dfrac{27}{12}$ = _____

k. $\dfrac{23}{10}$ = _____

l. $\dfrac{19}{4}$ = _____

m. $\dfrac{19}{7}$ = _____

n. $\dfrac{21}{5}$ = _____

o. $\dfrac{30}{6}$ = _____

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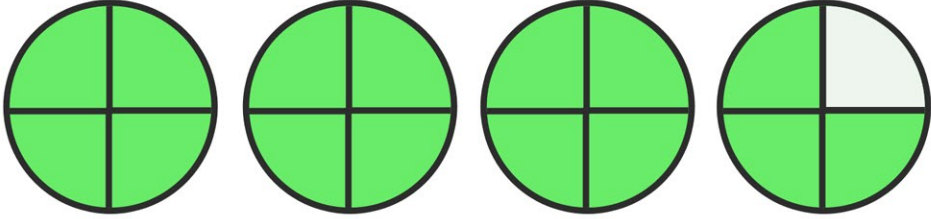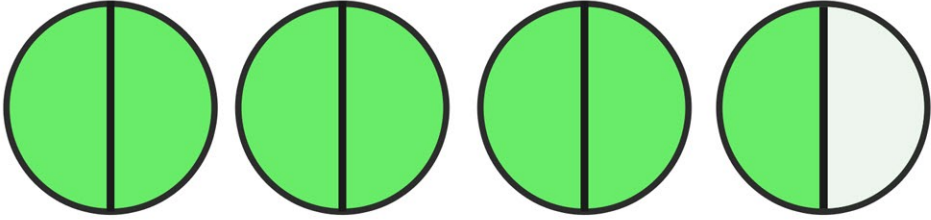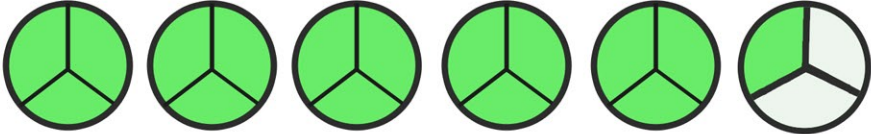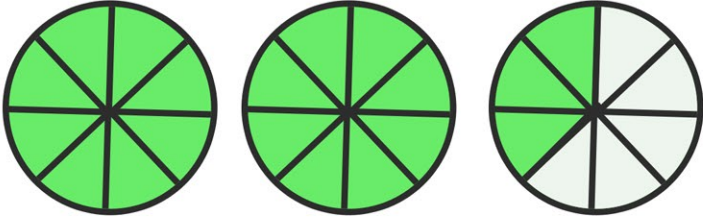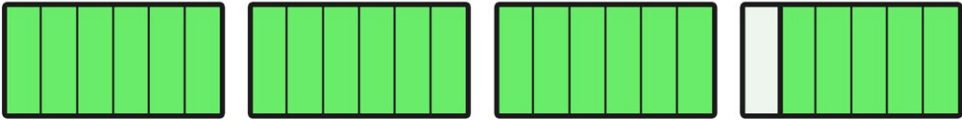
b. A teacher asks 2 children to sort 73 tennis balls into baskets of 10 balls, filling the baskets where possible. Express how the baskets are filled using a mixed number. _____

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

4. 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 number.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 $4\frac{1}{2}$
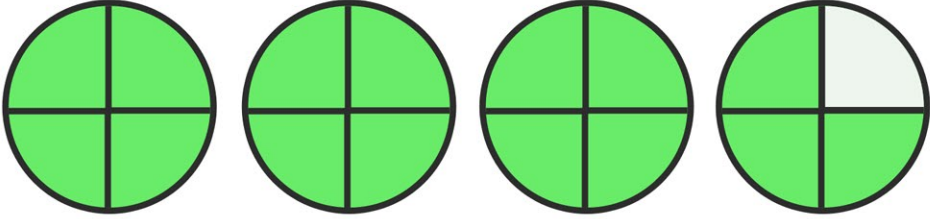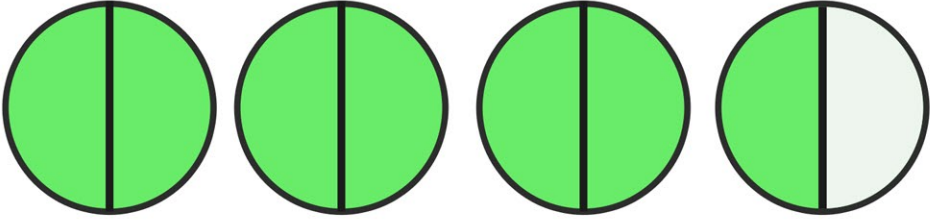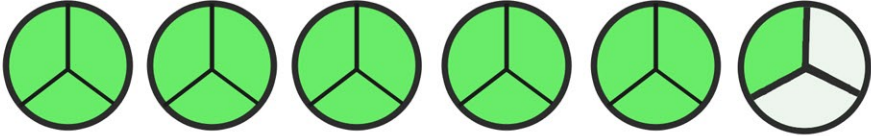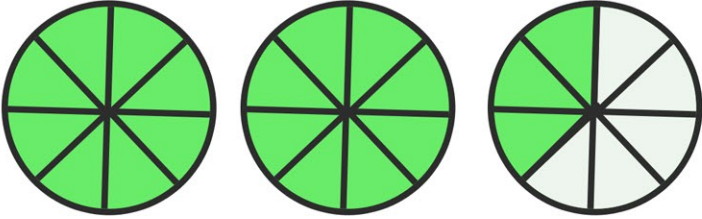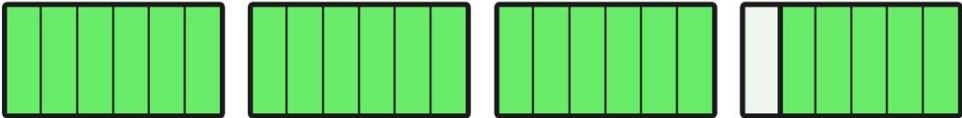
b. A teacher asks 2 children to sort 73 tennis balls into baskets of 10 balls, filling the baskets where possible. Express how the baskets are filled using a mixed number. $7\frac{3}{10}$

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 **Answers**

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

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