Improper Fractions

1. Circle 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) $\frac{22}{3} =$ _____ b) $\frac{14}{5} =$ _____ c) $\frac{23}{10} =$ _____ d) $\frac{34}{10} =$ _____ e) $\frac{21}{5} =$ _____

f) $\frac{5}{2} =$ _____ g) $\frac{16}{3} =$ _____ h) $\frac{19}{4} =$ _____ i) $\frac{31}{4} =$ _____ j) $\frac{30}{6} =$ _____

k) $\frac{21}{6} =$ _____ l) $\frac{17}{8} =$ _____ m) $\frac{19}{7} =$ _____ n) $\frac{22}{9} =$ _____ o) $\frac{27}{12} =$ _____

3. Twenty-seven children sit at tables of 6, filling the tables where possible. Express how many tables are filled using a mixed number.

_____

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

_____

5. A pizza truck 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 the day he has 9 slices. How many pizzas does he have left?

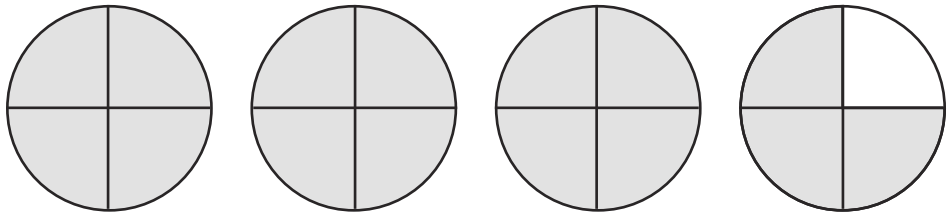
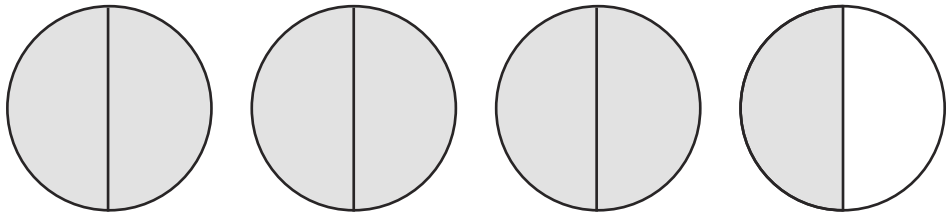
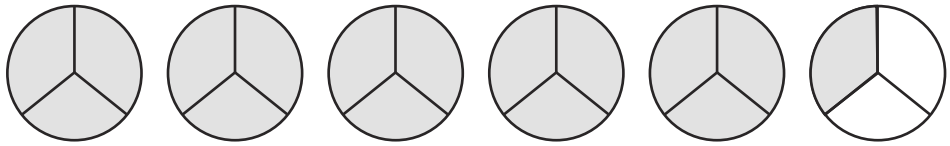
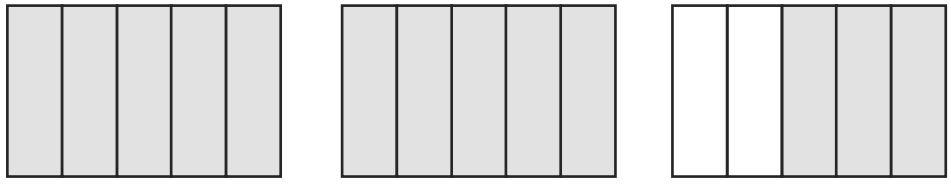
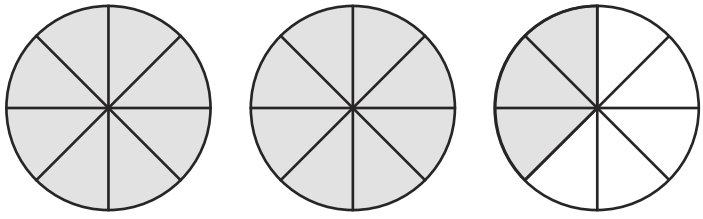
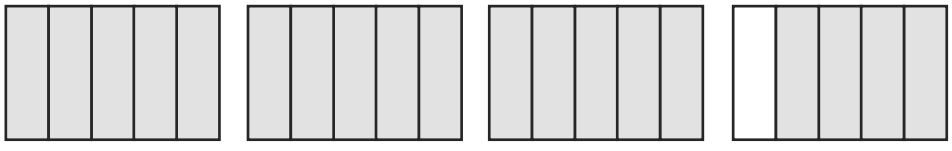
_____

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

_____

Improper Fractions

7. Write the proper fractions and mixed numbers represented by the shapes below.

	Improper Fraction		Mixed Number
a)	_____		_____
b)	_____		_____
c)	_____		_____
d)	_____		_____
e)	_____		_____
f)	_____		_____

Improper Fractions **Answers**

1. Circle 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) $\frac{22}{3} = 7\frac{1}{3}$ b) $\frac{14}{5} = 2\frac{4}{5}$ c) $\frac{23}{10} = 2\frac{3}{10}$ d) $\frac{34}{10} = 3\frac{4}{10}$ e) $\frac{21}{5} = 4\frac{1}{5}$

f) $\frac{5}{2} = 2\frac{1}{2}$ g) $\frac{16}{3} = 5\frac{1}{3}$ h) $\frac{19}{4} = 4\frac{3}{4}$ i) $\frac{31}{4} = 7\frac{3}{4}$ j) $\frac{30}{6} = 5$

k) $\frac{21}{6} = 3\frac{1}{2}$ l) $\frac{17}{8} = 2\frac{1}{8}$ m) $\frac{19}{7} = 2\frac{5}{7}$ n) $\frac{22}{9} = 2\frac{4}{9}$ o) $\frac{27}{12} = 2\frac{3}{12}$

3. Twenty-seven children sit at tables of 6, filling the tables where possible. Express how many tables are filled using a mixed number.

$4\frac{3}{6}$ or $4\frac{1}{2}$

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

$7\frac{3}{10}$

5. A pizza truck 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 the day he has 9 slices. How many pizzas does he have left?

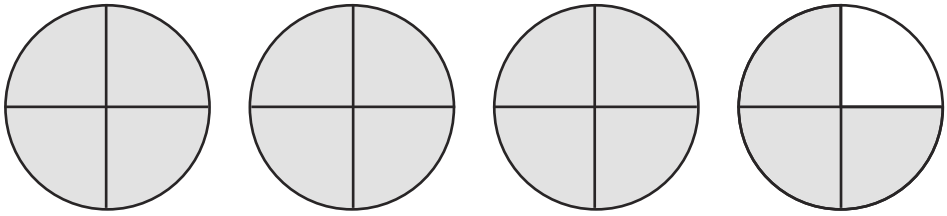
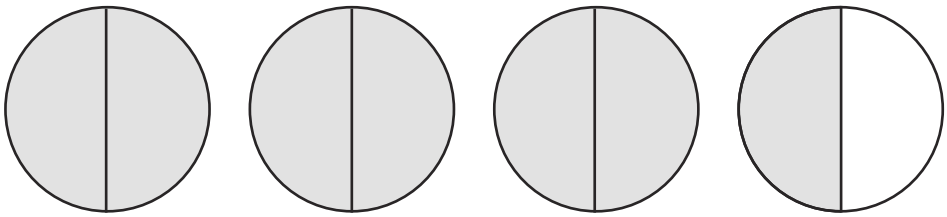
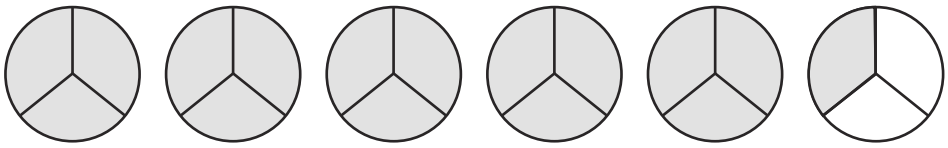
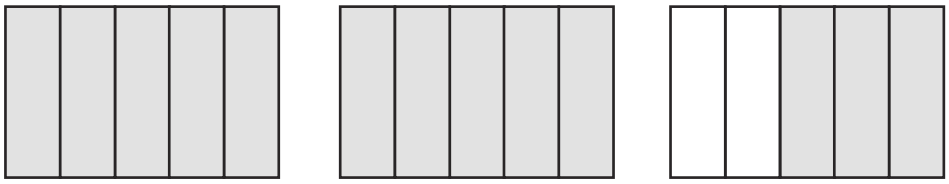
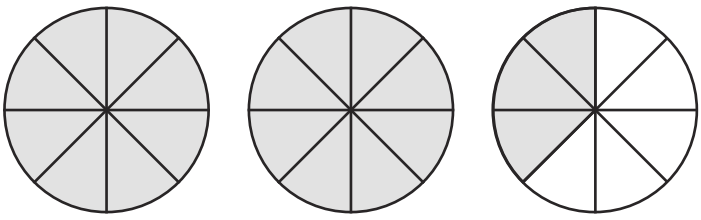
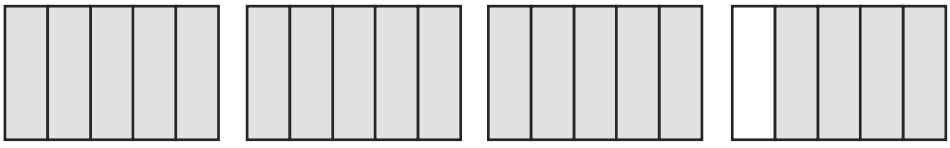
$2\frac{1}{4}$

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

Answers will vary

Improper Fractions **Answers**

7. Write the proper 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)	$\frac{19}{5}$		$3\frac{4}{5}$