

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?

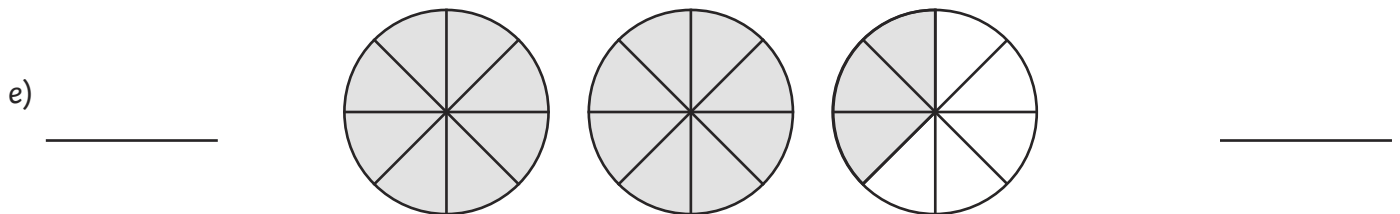
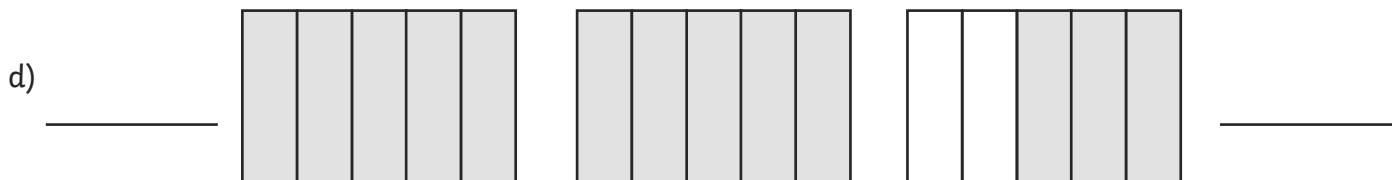
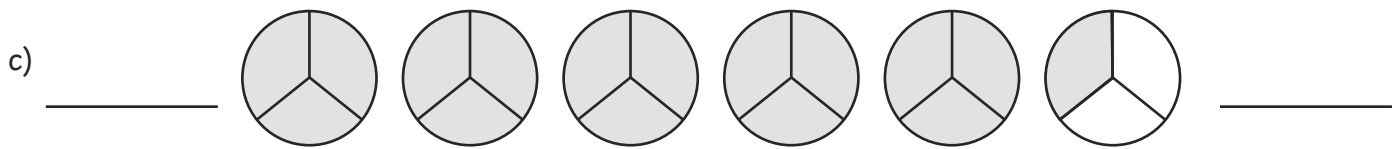
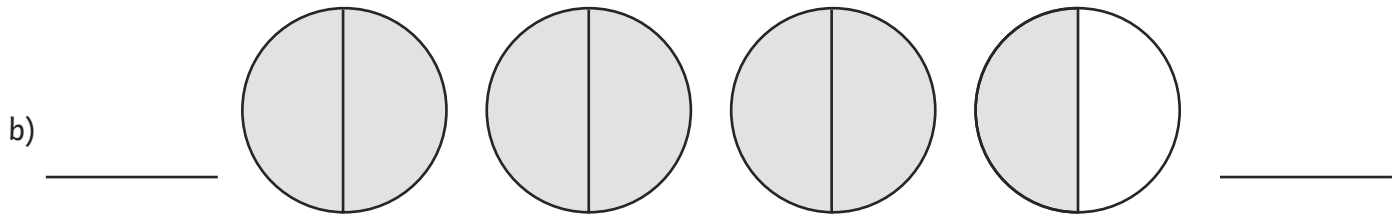
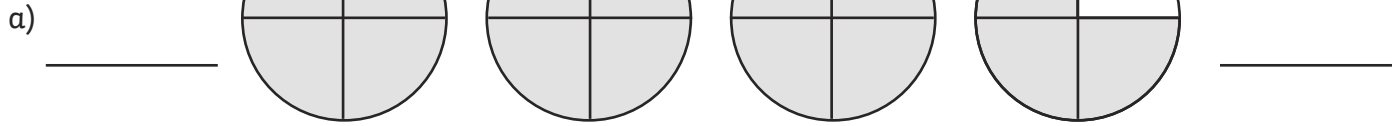
6. Write some of your own questions for which the answer is a mixed number.

Improper Fractions

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

Improper
Fraction

Mixed
Number



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

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

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

3. Twenty-seven children sit at tables of 6, filling the tables where possible.

Express how many tables are filled using a mixed number.

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

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.

$$\underline{7\frac{3}{10}}$$

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?

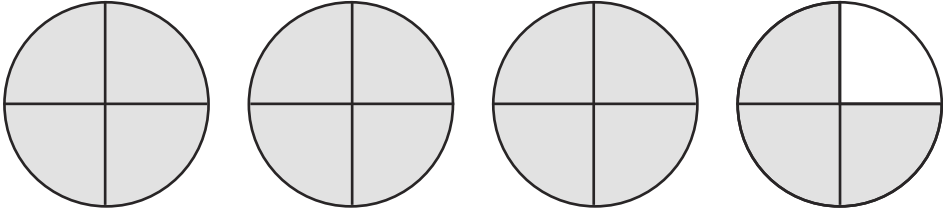
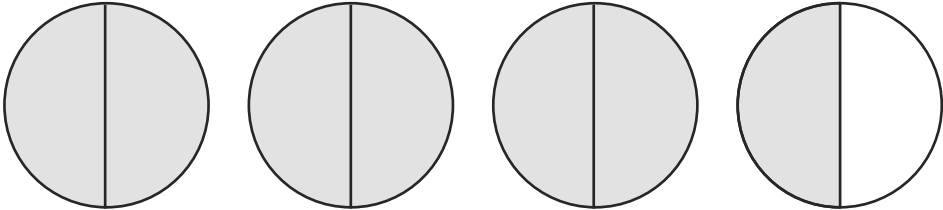
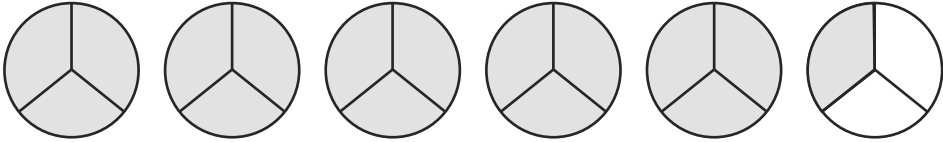
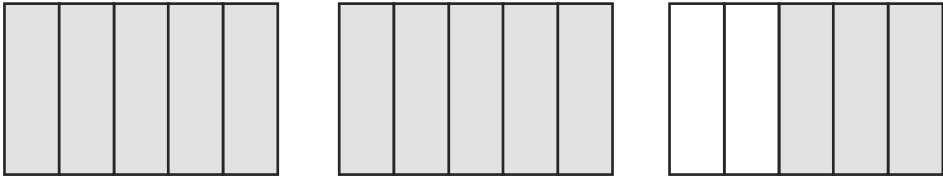
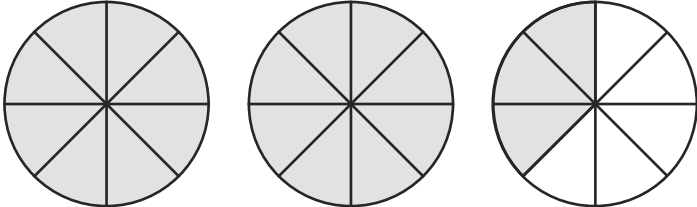

$$\underline{2\frac{1}{4}}$$

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)	$\frac{19}{5}$		$3\frac{4}{5}$