

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

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?

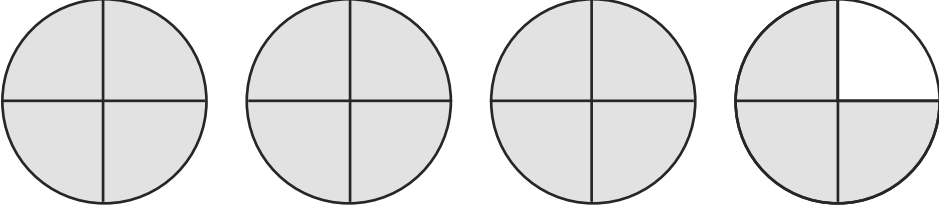
6. Write some of your own questions for which the answer is a mixed number.

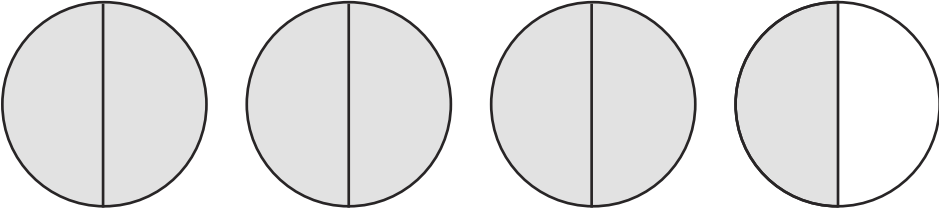
Improper Fractions

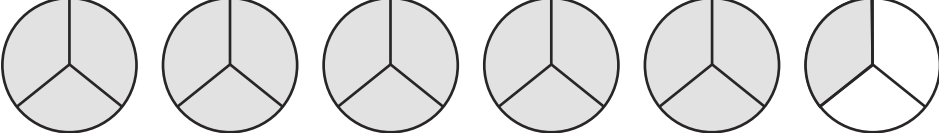
7. Write the proper fractions and mixed numbers represented by the shapes below.

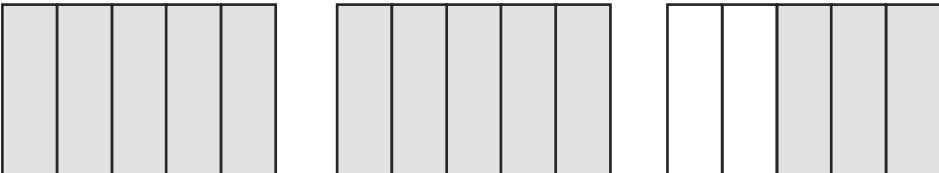
Improper
Fraction

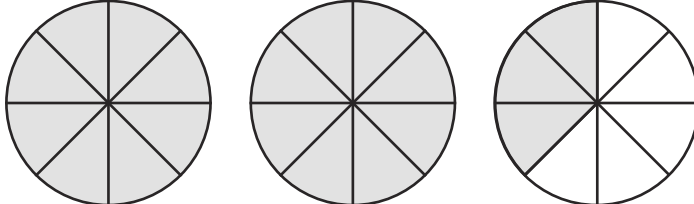
Mixed
Number

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.

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

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.

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

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.

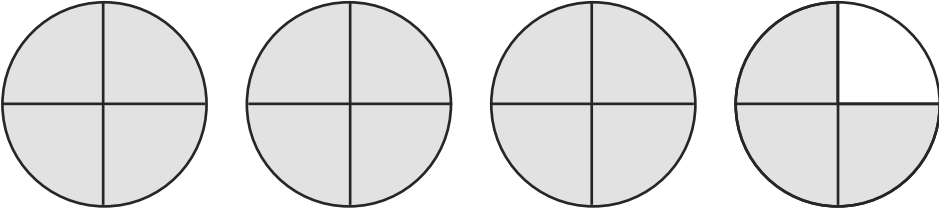
Answers will vary

Improper Fractions Answers

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

Improper Fraction

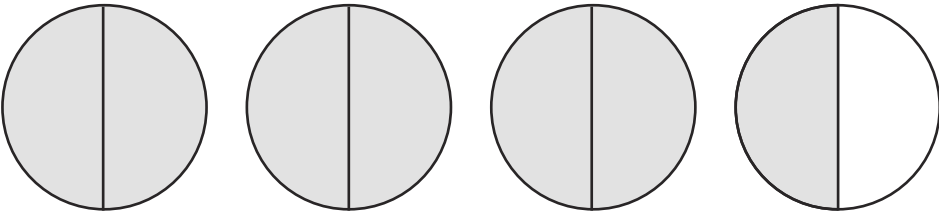
a) $\frac{15}{4}$



Mixed Number

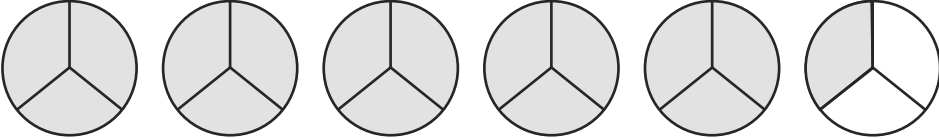
$3\frac{3}{4}$

b) $\frac{7}{2}$



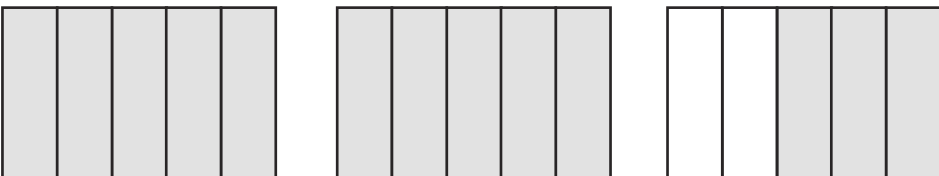
$3\frac{1}{2}$

c) $\frac{16}{3}$



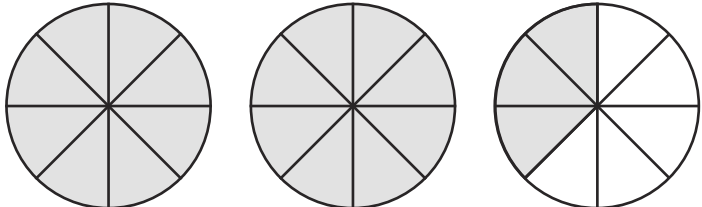
$5\frac{1}{3}$

d) $\frac{13}{5}$



$2\frac{3}{5}$

e) $\frac{19}{8}$



$2\frac{3}{8}$

f) $\frac{19}{5}$



$3\frac{4}{5}$