

# 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 and 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.

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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.

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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?

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

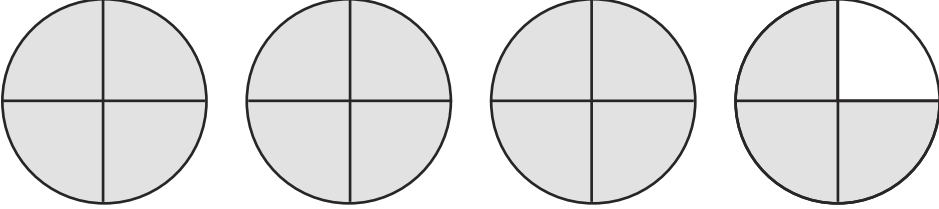
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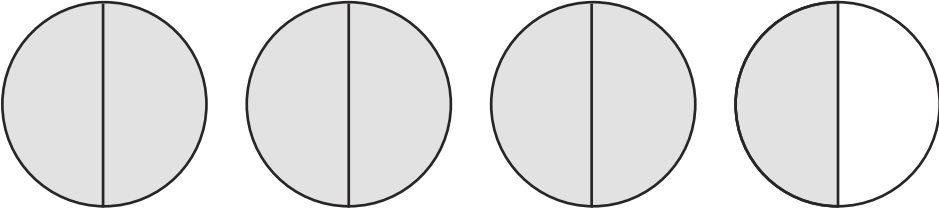
# Improper Fractions

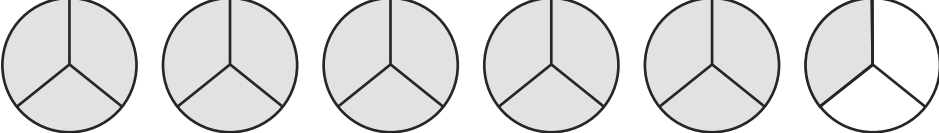
7. Write the proper fractions and mixed numbers represented by the shapes below.

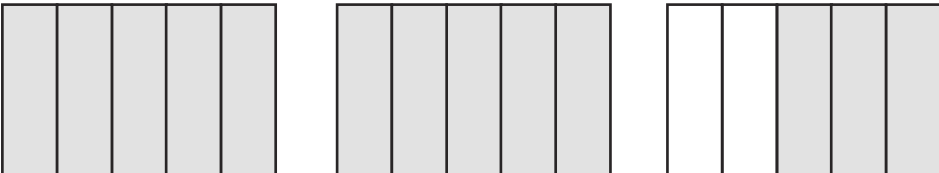
Improper  
Fraction

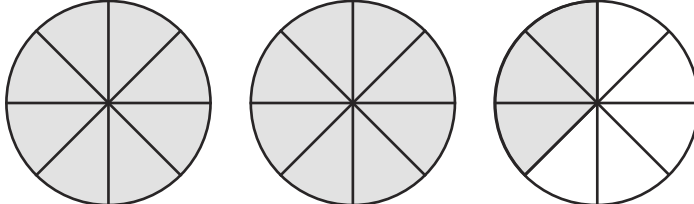
Mixed  
Number


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 and 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?

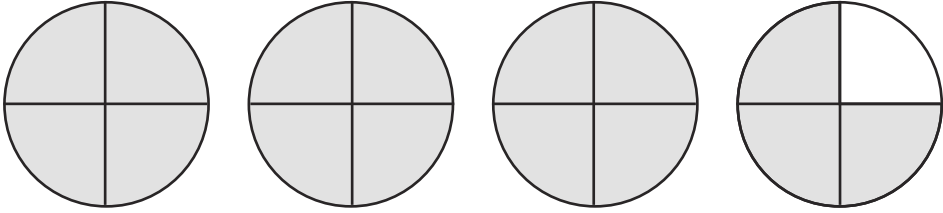
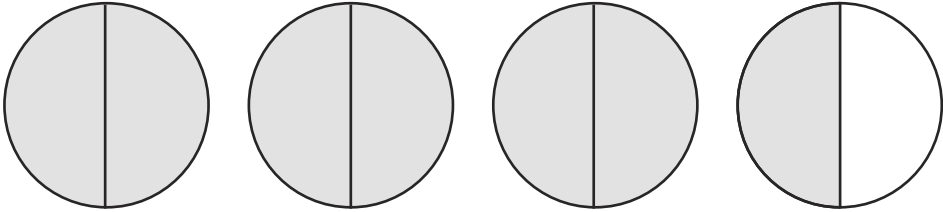
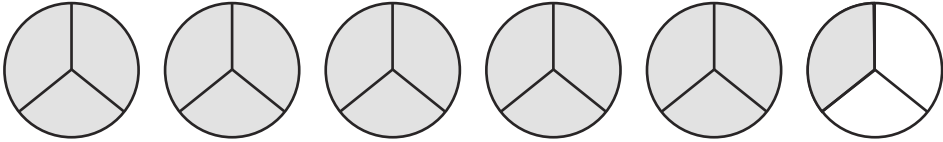
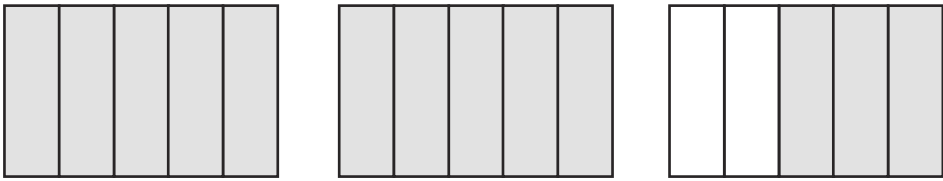
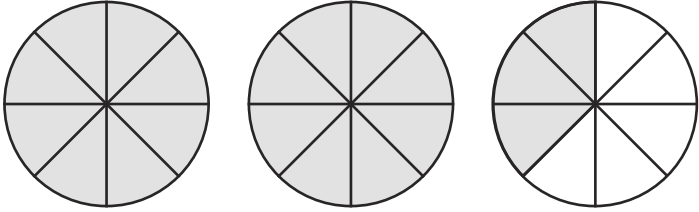
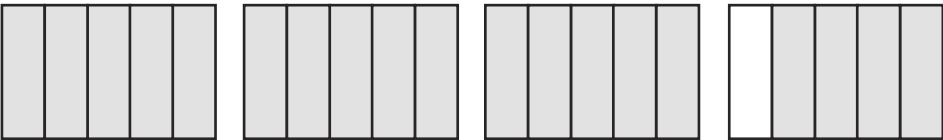
$$\underline{2\frac{1}{4}}$$

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