Name: .... Class: ....
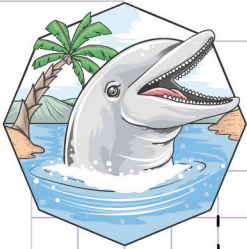
Convert between improper fractions and mixed numbers

Convert the following improper fractions into mixed numbers.

$$\frac{13}{4}$$

$$4\overline{\smash)13} \quad \overset{3}{} \rightarrow 3R1$$
$$-12$$
$$1$$

$$\frac{13}{4} = 3\frac{1}{4}$$

$$\frac{47}{9}$$

$$\frac{31}{5}$$

$$\frac{17}{10}$$

$$\frac{39}{11}$$

$$\frac{49}{3}$$

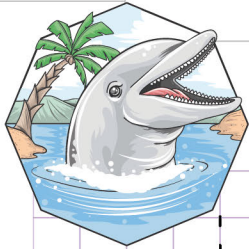**Convert the following mixed numbers into improper fractions.**

$$3\frac{1}{4} =$$

$$7\frac{9}{7} =$$

$$5\frac{3}{7} =$$

$$5\frac{1}{10}$$

mathskills4kids

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Convert between improper fractions and mixed numbers

Convert the following improper fractions into mixed numbers.

$\dfrac{13}{4}$

$4\,|\,\overline{13}$ 3
-12
$\quad\;1$ → 3R1

$\dfrac{13}{4} = 3\dfrac{1}{4}$

$\dfrac{47}{9}$

$9\,|\,\overline{47}$ 5
-45
$\quad\;2$ → 5R2

$\dfrac{47}{9} = 5\dfrac{2}{9}$

$\dfrac{31}{5}$

$5\,|\,\overline{31}$ 6
-30
$\quad\;1$ → 6R1

$\dfrac{31}{5} = 6\dfrac{1}{5}$

$\dfrac{17}{10}$

$10\,|\,\overline{17}$ 1
-10
$\quad\;7$ → 1R7

$\dfrac{17}{10} = 1\dfrac{7}{10}$

$\dfrac{39}{11}$

$11\,|\,\overline{39}$ 3
-33
$\quad\;6$ → 3R6

$\dfrac{39}{11} = 3\dfrac{6}{11}$

$\dfrac{49}{3}$

$3\,|\,\overline{49}$ 16
-48
$\quad\;1$ → 16R1

$\dfrac{49}{3} = 16\dfrac{1}{3}$

Convert the following mixed numbers into improper fractions.

$3\dfrac{1}{4} = \dfrac{3 \times 4 + 1}{4} = \dfrac{13}{4}$

$3\dfrac{1}{4} = \dfrac{13}{4}$

$7\dfrac{9}{7} = \dfrac{7 \times 7 + 9}{7} = \dfrac{49 + 9}{7} = \dfrac{58}{7}$

$7\dfrac{9}{7} = \dfrac{58}{7}$

$5\dfrac{3}{7} = \dfrac{5 \times 7 + 3}{7} = \dfrac{35 + 3}{7} = \dfrac{38}{7}$

$5\dfrac{3}{7} = \dfrac{38}{7}$

$5\dfrac{1}{10} = \dfrac{5 \times 10 + 1}{10} = \dfrac{51}{10}$

$5\dfrac{1}{10} = \dfrac{51}{10}$