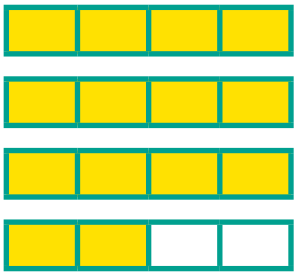
Convert Improper Fractions to Mixed Numbers

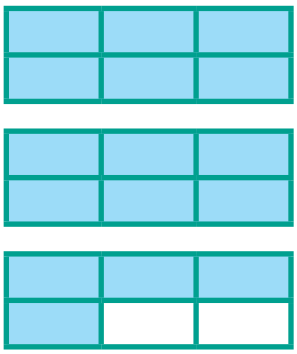
1) Use the fraction bars to help you convert the improper fractions to mixed numbers.

a)



$\frac{14}{4} = \square\frac{\square}{\square}$

b)



$\frac{16}{6} = \square\frac{\square}{\square}$

2) Match the improper fraction to the equivalent mixed number.

$\frac{17}{7}$	$5\frac{2}{7}$
$\frac{13}{7}$	$4\frac{2}{7}$
$\frac{37}{7}$	$1\frac{6}{7}$
$\frac{30}{7}$	$2\frac{3}{7}$

3) Use Drew's method to help you to convert each improper fraction to a mixed number.

To convert $\frac{16}{6}$, I calculate there are 2 groups of $\frac{6}{6}$ in $\frac{16}{6}$ with $\frac{4}{6}$ remaining so the mixed number is $2\frac{4}{6}$.

a) $\frac{21}{8}$ **b)** $\frac{33}{4}$

c) $\frac{58}{6}$ **d)** $\frac{25}{9}$

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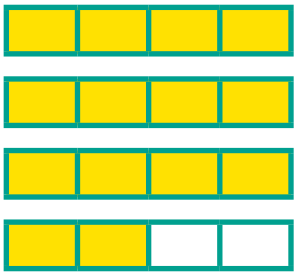

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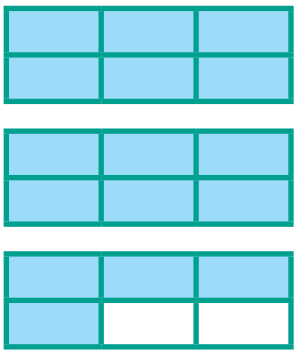

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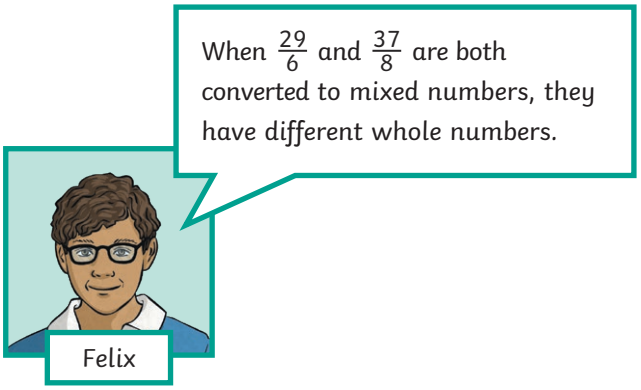
Convert Improper Fractions to Mixed Numbers

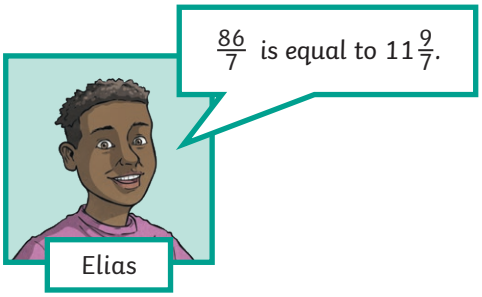
1) Which of these improper fractions are equivalent to a whole number? Explain how you know.

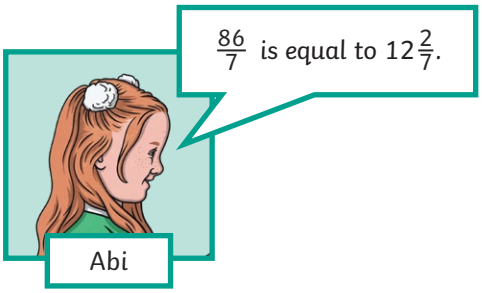
$\frac{42}{4}$	$\frac{42}{5}$	$\frac{42}{6}$	$\frac{42}{7}$	$\frac{42}{8}$	$\frac{42}{9}$

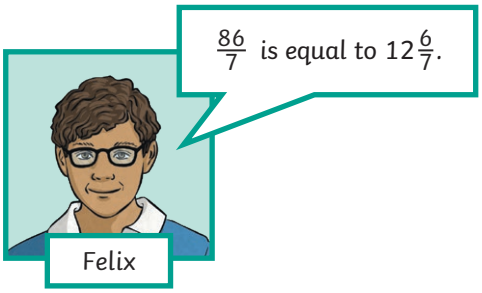
2) Is Felix correct? Explain why.



3) Elias, Abi and Felix have converted $\frac{86}{7}$ to a mixed number. Who is correct? Explain the mistakes the others have made.







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$\frac{42}{4}$	$\frac{42}{5}$	$\frac{42}{6}$	$\frac{42}{7}$	$\frac{42}{8}$	$\frac{42}{9}$

2) Is Felix correct? Explain why.

When $\frac{29}{6}$ and $\frac{37}{8}$ are both converted to mixed numbers, they have different whole numbers.
Felix

3) Elias, Abi and Felix have converted $\frac{86}{7}$ to a mixed number. Who is correct? Explain the mistakes the others have made.

$\frac{86}{7}$ is equal to $11\frac{9}{7}$.
Elias

$\frac{86}{7}$ is equal to $12\frac{2}{7}$.
Abi

$\frac{86}{7}$ is equal to $12\frac{6}{7}$.
Felix

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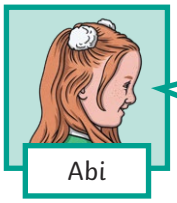
Convert Improper Fractions to Mixed Numbers

1) Abi, Felix and Elias each have an improper fraction.

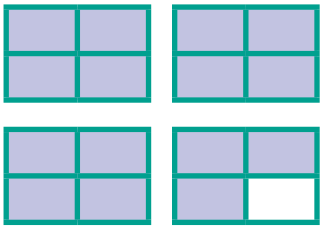


Abi

My improper fraction has 9 as a numerator and the denominator is 4.

Felix

These fraction bars show my improper fraction.



Elias

My improper fraction is less than Felix's but greater than Abi's.

Write all of the possible improper fractions that Elias could have. Then, convert each one to a mixed number.

2) Use the clues to identify all of the possible improper fractions. Then, write each one as a mixed number.

My denominator is a multiple of 4 and my numerator is 3 multiplied by 7.

3) Use the digit cards only once each time to complete the statement in as many different ways as you can.

$$\square\frac{\square}{9} < \frac{30}{9} < \square\frac{\square}{9}$$

1	2	3
4	5	6

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My improper fraction has 9 as a numerator and the denominator is 4.

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