

# Convert between Mixed and Improper



7a. Use the clues to find the missing digits.

An odd number.

These digits add together to make 9.

$$\boxed{6} \frac{\boxed{\phantom{0}}}{\boxed{12}} = \frac{\boxed{\phantom{0}}\boxed{\phantom{0}}}{\boxed{4}}$$

7b. Use the clues to find the missing digits.

The numerator is a factor of the denominator.

These digits have a difference of 7.

$$\boxed{7} \frac{\boxed{\phantom{0}}}{\boxed{8}} = \frac{\boxed{\phantom{0}}\boxed{\phantom{0}}}{\boxed{4}}$$

9b. Vicky has a mixed number.

A. It includes 3 wholes.

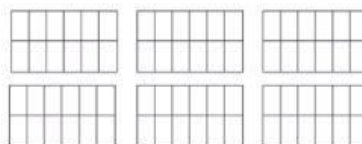
B. The denominator is less than 15 and has a digit sum of 3.

C. The numerator is a third of the denominator.

What could Vicky's fraction be when it is converted to an improper fraction?

List all the possibilities.

6b. Paul has baked 6 rocky road cakes to share with his friends.



Each cake has been cut into 12 equal pieces. They eat 67 pieces.

How much rocky road has been eaten?

Give your answer as a mixed number.

6. Use the number cards to show an improper fraction as a mixed number.



$$\frac{\boxed{\phantom{0}}\boxed{\phantom{0}}}{\boxed{\phantom{0}}} = \boxed{\phantom{0}} \frac{\boxed{\phantom{0}}}{\boxed{\phantom{0}}}$$

$$\frac{47}{4} =$$

$$\frac{133}{3} =$$

$$\frac{245}{8} =$$

$$\frac{733}{9} =$$

$$\frac{659}{12} =$$

$$\frac{999}{20} =$$

8. Convert the improper fractions to mixed numbers and sort them into the Carroll diagram.

$$\frac{28}{8}$$

$$\frac{9}{4}$$

$$\frac{29}{6}$$

$$\frac{16}{10}$$

	Numerator is even	Numerator is odd
Whole number > 2		
Whole number = or < 2		