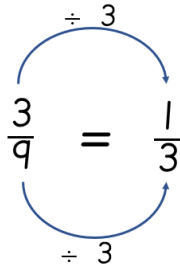


Key Vocabulary:

numerator	proper fraction	equivalent	simplifying	compare	order
denominator	improper fraction	mixed number	add	subtract	factors
common numerator	common denominator				

What will I know by the end of this unit?

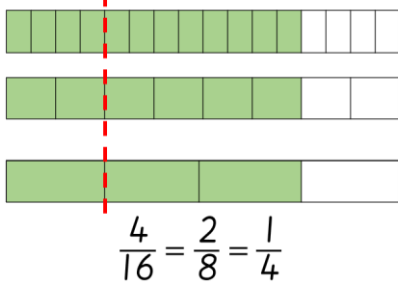
Equivalent fractions and simplifying fractions:



What are the common factors of 3 and 9?

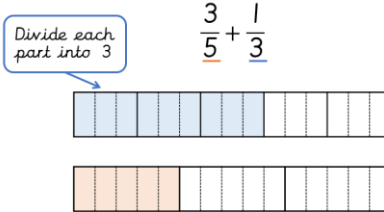
Factors of 3: 1, 3
Factors of 9: 1, 3, 9

Simplify the fraction using the bar models.



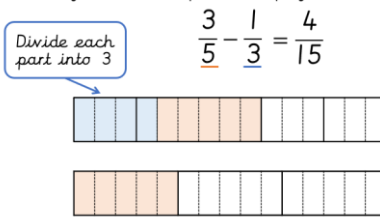
Add and subtract any fractions:

Use fraction strips to help you add together



Divide each part into 5

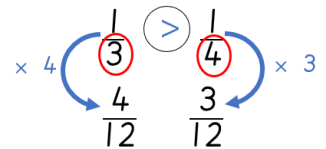
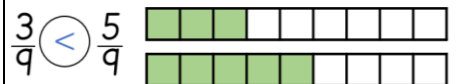
Use fraction strips to help you subtract



Divide each part into 5

Compare and order fractions:

Write >, < or = to compare the fractions

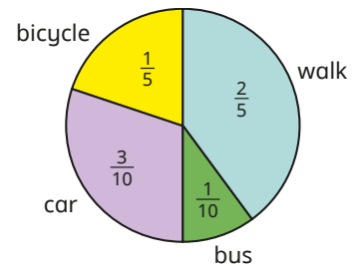


Multiples of 3: 3, 6, 9, 12, 15, 18
Multiples of 4: 4, 8, 12, 16, 20

If one denominator is not a multiple of the other, I need to find a **common denominator**.

Multi-step problems:

Children in Class 6 were asked how they travel to school. The results of the survey are shown in the pie chart.

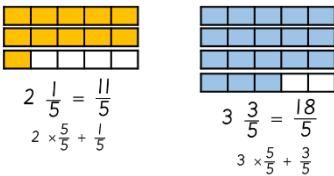


What fraction of children do not get the bus to school?

Add mixed numbers:

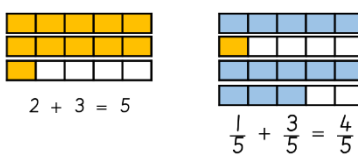
$2\frac{1}{5} + 3\frac{3}{5} = \frac{29}{5} = 5\frac{4}{5}$

I'm going to convert both mixed numbers to improper fractions first



$2\frac{1}{5} + 3\frac{3}{5} = 5\frac{4}{5}$

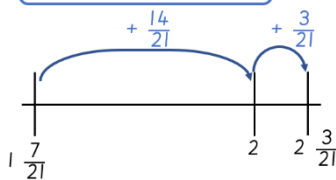
I'm going to add my whole numbers and fractions separately.



Subtract mixed numbers:

$2\frac{3}{21} - 1\frac{7}{21} = \frac{17}{21}$

I'm going to use a number line and count on.



I'm going to convert both fractions to improper fractions and then subtract

$\frac{45}{21} - \frac{28}{21}$

I'm going to partition $\frac{7}{21}$ into $\frac{3}{21}$ and $\frac{4}{21}$ to help me.

$2\frac{3}{21} - 1\frac{7}{21} = 1$

$1 - \frac{4}{21} = \frac{17}{21}$

bicycle + walk

$\frac{1}{5} + \frac{2}{5} = \frac{3}{5} = \frac{6}{10}$

$\frac{6}{10} + \frac{3}{10} = \frac{9}{10}$