THIRD SPACE LEARNING

HELLO!

Today we are going to revise improper fractions and mixed numbers

THIRD SPACE LEARNING

Arithmetic Warm Up

1. $\frac{5}{7} - \frac{3}{7} = \square$

2. $\frac{6}{12} = \frac{\square}{36}$

3. One whole in fifths = $\frac{\square}{\square}$

You are revising improper fractions and mixed numbers (Meeting Y6 expectations)

THIRD SPACE LEARNING

Revision on fractions

Today we are going to revise how to:

- represent fractions as improper or mixed numbers
- add and subtract fractions with different denominators.

You are revising improper fractions and mixed numbers (Meeting Y6 expectations)

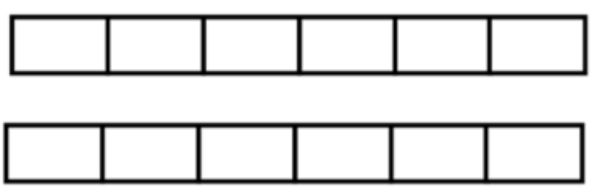
Revision: Improper fractions and mixed numbers

Proper fractions are less than or equal to 1 whole: $\frac{3}{5}$ or $\frac{1}{6}$

When a fraction is more than 1 whole, it can be written as an **improper fraction** or a **mixed number**:

1) Change the **improper fraction** below to a **mixed number**

$\frac{7}{6} = \square \frac{\square}{\square}$



2) Change the **mixed number** below to an **improper fraction**

$2\frac{2}{3} = \frac{\square}{\square}$

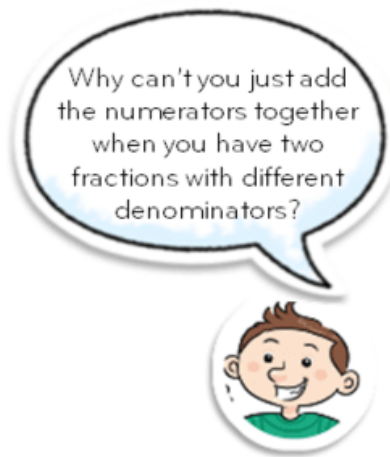
You are revising improper fractions and mixed numbers (Meeting Y6 expectations)

Revision: Adding and subtracting fractions

1. $\frac{2}{4} + 1\frac{3}{4} = \frac{2}{4} + \frac{\square}{\square} = \frac{\square}{\square} = \square\frac{\square}{\square}$

2. $2\frac{3}{4} - 1\frac{1}{3} = \frac{\square}{\square} - \frac{\square}{\square} = \frac{\square}{\square} - \frac{\square}{\square}$

$= \frac{\square}{\square} = \square\frac{\square}{\square}$



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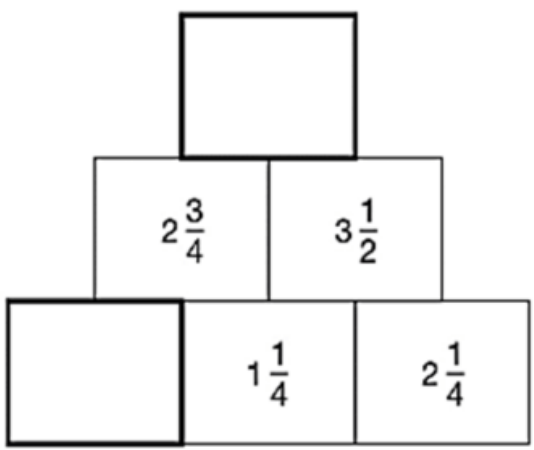
Question 1

1. What do you notice?
2. What do you know?
3. Can you show your working out?
4. How could you extend the question?

Complete

In this diagram, the number in each box is the **sum** of the two numbers below it.

Write the missing numbers.



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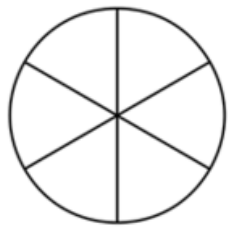
Complete

Question 2

1. What do you notice?
2. What do you know?
3. Can you show your working out?
4. How could you extend the question?

A café sells 3 pieces from each of the cakes below.
How much cake has been sold in total?
Give your answer in its simplest form.



$\frac{\square}{\square}$ $\frac{\square}{\square}$ $\frac{\square}{\square}$

THIRD SPACE LEARNING

Let's review:

- represent fractions as improper or mixed numbers
- add and subtract fractions with different denominators

Draw a circle around the smiley face to show how you feel about what we've just been doing.

You are revising improper fractions and mixed numbers (Meeting Y6 expectations)

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CHALLENGE

1. What do you notice?
2. What do you know?
3. Can you show your working out?
4. How could you extend the question?

Complete

(a) Write numbers in the boxes to make this fraction calculation correct.

$$\frac{1}{\square} + \frac{\square}{5} = \frac{7}{10}$$

(b) Now write two **different** numbers to make the calculation correct.

$$\frac{1}{\square} + \frac{\square}{5} = \frac{7}{10}$$

Recognise mixed numbers and improper fractions on number lines

For each number line write the correct mixed fraction and the correct improper fraction.

You are revising improper fractions and mixed numbers (Meeting Y6 expectations)

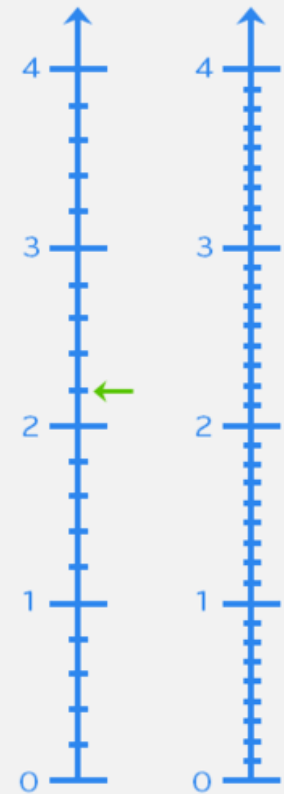
Convert from mixed numbers to improper fractions and vice versa

Write $\frac{11}{5}$ as a mixed number.

Explain how you found your answer.

Write $3\frac{5}{9}$ as an improper fraction.

Explain how you found your answer.



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THIRD SPACE LEARNING

Adding fractions where the answer is greater than 1

1. $\frac{4}{5} + \frac{2}{5} = \frac{\square}{\square}$

2. $\frac{3}{10} + \frac{9}{10} + \frac{1}{10} = \frac{\square}{\square}$

Write these questions so the fractions have the same denominator. Then write the answer.

3. $\frac{2}{3} + \frac{4}{9} = \frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$

4. $\frac{9}{10} + \frac{2}{5} = \frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$

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Subtracting fractions where the answer is greater than 1

1. $1\frac{4}{5} - \frac{1}{5} = \square$

2. $2\frac{3}{10} - 1\frac{2}{10} = \square$

Write these questions so the fractions have the same denominator. Then write the answer.

3. $1\frac{2}{3} - \frac{2}{9} = \square - \frac{\square}{\square} = \square$

4. $5\frac{9}{10} - 1\frac{2}{5} = \square - \square = \square$

You are revising improper fractions and mixed numbers (Meeting Y6 expectations)