Key Instant Recall Facts- Year 5 Spring

I can add and subtract fractions

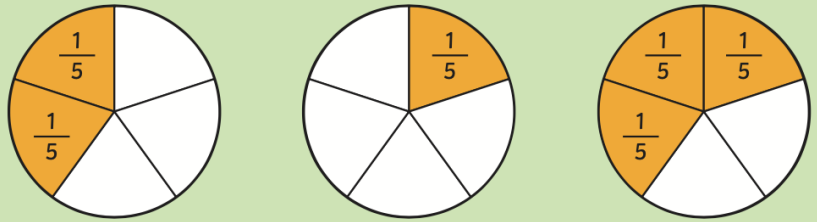
By the end of this term, children should know the following facts. The aim is for them to recall these facts instantly.

When Two Fractions Have the Same Denominator

If the two fractions in the calculation have the same denominator, the denominator will stay the same.

Then all you need to do is simply add or subtract the numerators to find the sum of the fractions.

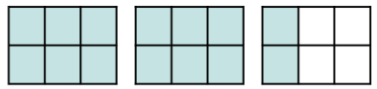
$\frac{2}{5} + \frac{1}{5} = \frac{3}{5}$ $\quad\quad$ $\frac{4}{8} - \frac{2}{8} = \frac{2}{8}$



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

Try a few: Calculate.

$2\frac{1}{3} - \frac{5}{6}$



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$1\frac{3}{5} - \frac{7}{10}$

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

$\frac{5}{8} - \frac{1}{4} =$

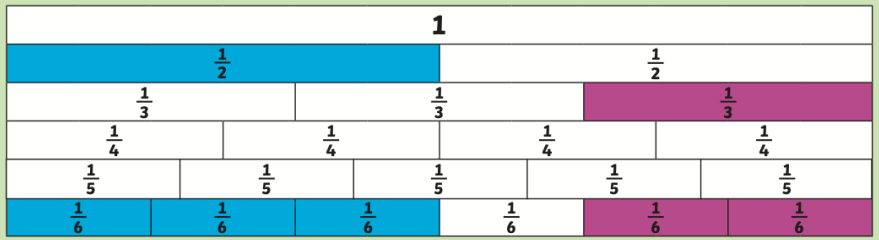
$\frac{5}{12} - \frac{1}{3} =$

When Two Fractions Have Different Denominators

First find the smallest common denominator (smallest whole number that has both denominators as factors). Rewrite the fractions with that denominator then add or subtract. When working with mixed numbers, add or subtract the whole numbers too.

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

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



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

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Definitions:

Numerator- top number

Denominator- bottom number

Unit fraction- 1 as numerator

Non-unit fraction- Any number but 1 as numerator

Equivalent- fractions that are equal e.g. 1/2 and 5/10

Mixed number- a fraction and a whole number- 1 ½

Improper fraction- numerator is higher than the denominator e.g. 12/10

Simplest form- the denominator and numerator are the lowest it could go e.g. 5/10 in the simplest form is ½

Key Websites:

You may wish to use BBC Bitesize to help you.

Key Instant Recall Facts- Year 5 Spring- Further Support

I can add and subtract fractions

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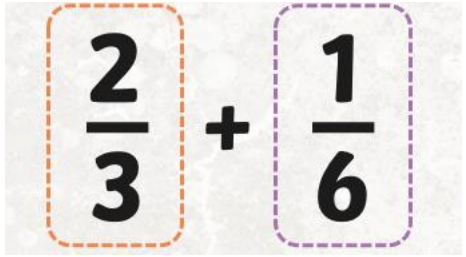
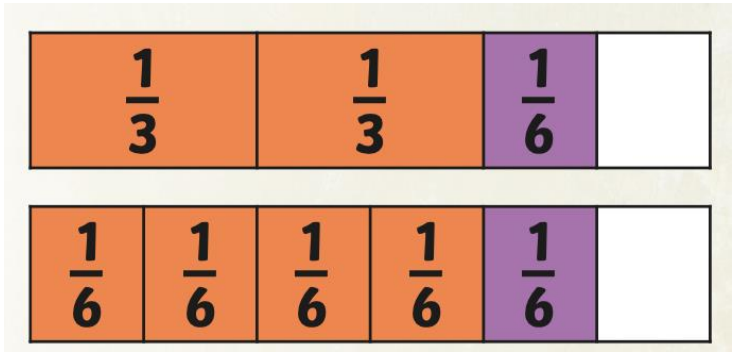
Mixed Numbers

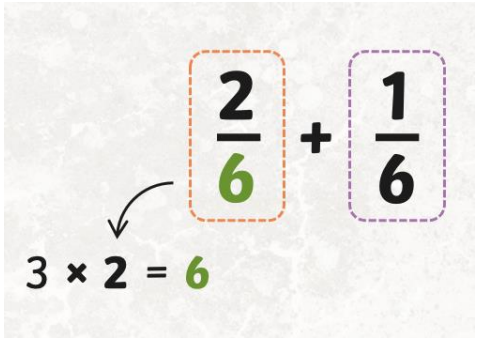


Step 1:
Look at the question

Step 2:
To calculate the answer, we change two-thirds into the equivalent sixths fraction, so that both fractions have the same denominator.



Step 3:
Consider the lowest common factor for both fractions. In this case, it would be 6
(1 x 6 = 6, 2 x 3 = 6)



Step 4:
Remember to do the same multiplication to both the denominator and the numerator.