

Fraction Problems

Today we are learning...

How to answer problems involving fractions.

I will know if I have been successful if...

I can recall how to add and subtract fractions.

I know how to subtract fractions from 1.

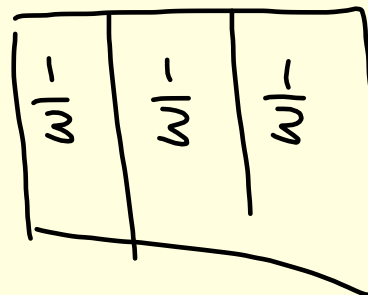
I can answer a variety of worded questions on fractions.



Worded Problems

In this class $\frac{1}{3}$ said Maths was their best subject, $\frac{2}{5}$ said Art was their best subject. The remain students said their best subject was CDT. What fraction of the class chose CDT?

$$\begin{aligned} & \left(1 - \frac{1}{3}\right) - \frac{2}{5} \\ &= \frac{2}{3} - \frac{2}{5} \\ &= \frac{10}{15} - \frac{6}{15} = \frac{4}{15} \end{aligned}$$



Relay Race

Working in pairs...

- 1) In total there are 10 questions. Complete the questions one at a time.
- 2) Once you have an answer write it on the slip of paper and bring it to me to check.
- 3) If it is correct you may have the next question!

Do not use a calculator!

Finish			
$3\frac{1}{3} + 6\frac{2}{3}$	$3\frac{2}{5} + 5\frac{12}{20}$	$\frac{21}{3} + \frac{66}{21}$	$\frac{2}{5} + \frac{30}{9}$
$2\frac{2}{5} + 7\frac{12}{20}$	$5\frac{3}{9} + 4\frac{2}{3}$	$\frac{25}{5} + \frac{105}{20}$	$\frac{80}{20} + \frac{140}{20}$
$2\frac{1}{5} + 7\frac{12}{20}$	$8\frac{3}{7} + 1\frac{12}{21}$	$2\frac{2}{10} + 7\frac{6}{30}$	$2\frac{2}{5} + 7\frac{8}{10}$
$\frac{24}{8} + \frac{35}{5}$	$\frac{3}{2} + \frac{85}{10}$	$8\frac{4}{7} + 2\frac{12}{21}$	$2\frac{1}{5} + 7\frac{12}{10}$
$\frac{19}{3} + \frac{77}{21}$	$5\frac{3}{10} + 4\frac{21}{40}$	$\frac{19}{4} + \frac{76}{8}$	$1\frac{2}{3} + 8\frac{8}{21}$
Start			

The aim of the maze is to get from the start to the finish only going through expressions that equal 10.

National 5 Numeracy Fractions

Finish			
$3\frac{1}{3} + 6\frac{2}{3}$	$3\frac{2}{5} + 5\frac{12}{20}$	$\frac{21}{3} + \frac{66}{21}$	$\frac{2}{5} + \frac{30}{9}$
$2\frac{2}{5} + 7\frac{12}{20}$	$5\frac{3}{9} + 4\frac{2}{3}$	$\frac{25}{5} + \frac{105}{20}$	$\frac{80}{20} + \frac{140}{20}$
$2\frac{1}{5} + 7\frac{12}{20}$	$8\frac{3}{7} + 1\frac{12}{21}$	$2\frac{2}{10} + 7\frac{6}{30}$	$2\frac{2}{5} + 7\frac{8}{10}$
$\frac{24}{8} + \frac{35}{5}$	$\frac{3}{2} + \frac{85}{10}$	$8\frac{4}{7} + 2\frac{12}{21}$	$2\frac{1}{5} + 7\frac{12}{10}$
$\frac{19}{3} + \frac{77}{21}$	$5\frac{3}{10} + 4\frac{21}{40}$	$\frac{19}{4} + \frac{76}{8}$	$1\frac{2}{3} + 8\frac{8}{21}$
Start			

The aim of the maze is to get from the start to the finish only going through expressions that equal 10.