Fraction Frolics Connect Four

3/4

8/8	more than half	less than one, but more than a half	more than a quarter	less than a quarter	less than three quarters	less than a quarter	
four quarters	more than a quarter	less than a quarter	less than three quarters	less than one but more than half	more than a quarter	less than half	1
	more than a quarter	more than a quarter but less than one	more than half	less than half	less than one	more than a quarter but less than a half	
1/5	more than a quarter but less than a half	less than three quarters	less than a quarter	less than one but more than a half	more than half	more than a quarter but less than one	
	,	seven eighths		•	five fift	hs	a quarter

Fraction Frolics

This activity was developed by colleagues from schools in the Shetland Islands after completing a collaborative learning workshop in 1995. Now sound enabled by Mantralingua www.mantralingua.com
The webaddress for this activity is:
http://www.collaborativelearning.org/fractionfrolics.pdf
Last updated 7th May 2020

It's empowering to talk an idea through before you write about it!

Good for all pupils! Vital for EAL pupils!

http://www.collaborativelearning.org/fractionfrolics.pdf

COLLABORATIVE LEARNING PROJECT
Project Director: Stuart Scott
We support a network of teaching professionals to develop and disseminate accessible talk-for-learning activities in all subject areas and for all ages.
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Basic principles behind our talk for learning activities:
Oracy in curriculum contexts!

Build on chidren's own prior knowledge.

Move from concrete to abstract.

Ensure everyone works with

everyone else.

Extend social language towards

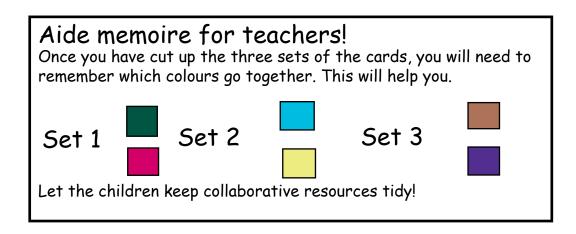
curriculum language.

Provide motivating ways to go over the
same knowledge more than once.

Fraction Frolics

Teacher notes:

If more than four children are playing you may want to enlarge the board up to A3, but keep the cards fairly small (we have provided three sets getting progressively more difficult and printed in six different colours to help with classroom organisation) so that the words on the board are slightly visible when covered by a card.



How to Play Fraction Frolics

The game is best played by two or three players against two or three players.

You need a game board and two sets of cards in two colours.

Shuffle the cards and place them face down.

Each team takes turns to pick their colour card and place it correctly on the board, discussing the best way to achieve four in a row and/or block their opponents. If you cannot place a card you should either miss a turn or pick another card. You need to decide this rule before you start.

The winner is the first team to get four in a row, vertically, diagonally or horizontally.

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Fraction Frolics Connect Four Board

more than half	less than one, but more than a half	more than a quarter	less than a quarter	less than three quarters	less than a quarter
more than a quarter	less than a quarter	less than three quarters	less than one but more than half	more than a quarter	less than half
more than a quarter	more than a quarter but less than one	more than half	less than half	less than one	more than a quarter but less than a half
more than a quarter but less than a half	less than three quarters	less than a quarter	less than one but more than a half	more than half	more than a quarter but less than one

one two three four a half third thirds sixths sixths two 2/3 three two 1/4	three eighths
two 2/2 three two 1/1	
quarters 2/3 Three two 1/4	two halves
8/8 1/5 seven four one eighths quarters eighth	six sixths

1	3/4	 five fifths	1/2	a quarter	three fifths
one third	two thirds	three sixths	four sixths	a half	three eighths
two quarters	2/3	three quarters	two fifths	1/4	two halves
8/8	1/5	seven eighths	four quarters	one eighth	six sixths

1	6/8	5/5	5/10	2/8	six tenths
2/6	8/12	3/6	four sixths	a half	three eighths
two quarters	6/9	three quarters	four tenths	1/4	four quarters
20/20	3/15	fourteen sixteenths	four quarters	1/8	six sixths

1	6/8	5/5	5/10	2/8	six tenths
		 	 - 		
2/6	8/12	3/6	four sixths	a half	three eighths
two quarters	6/9	three quarters	four tenths	1/4	four quarters
20/20	3/15	fourteen sixteenths	four quarters	1/8	six sixths

one whole	12/16	50/50	25/50	25/100	six tenths
20/60	80/120	33/66	four sixths	a half	30/80
two quarters	12/18	75/100	20/50	20/80	eight eighths
40/40	9/45	80/100	forty	5/40	a hundred hundredths

12/16	50/50	25/50	25/100	six tenths
	 	 	 	
80/120	33/66	four sixths	a half	30/80
12/18	75/100	20/50	20/80	eight eighths
9/45	80/100	forty fortieths	5/40	a hundred hundredths
	80/120	80/120 33/66 12/18 75/100	80/120 33/66 four sixths 12/18 75/100 20/50	80/120 33/66 four sixths a half 12/18 75/100 20/50 20/80