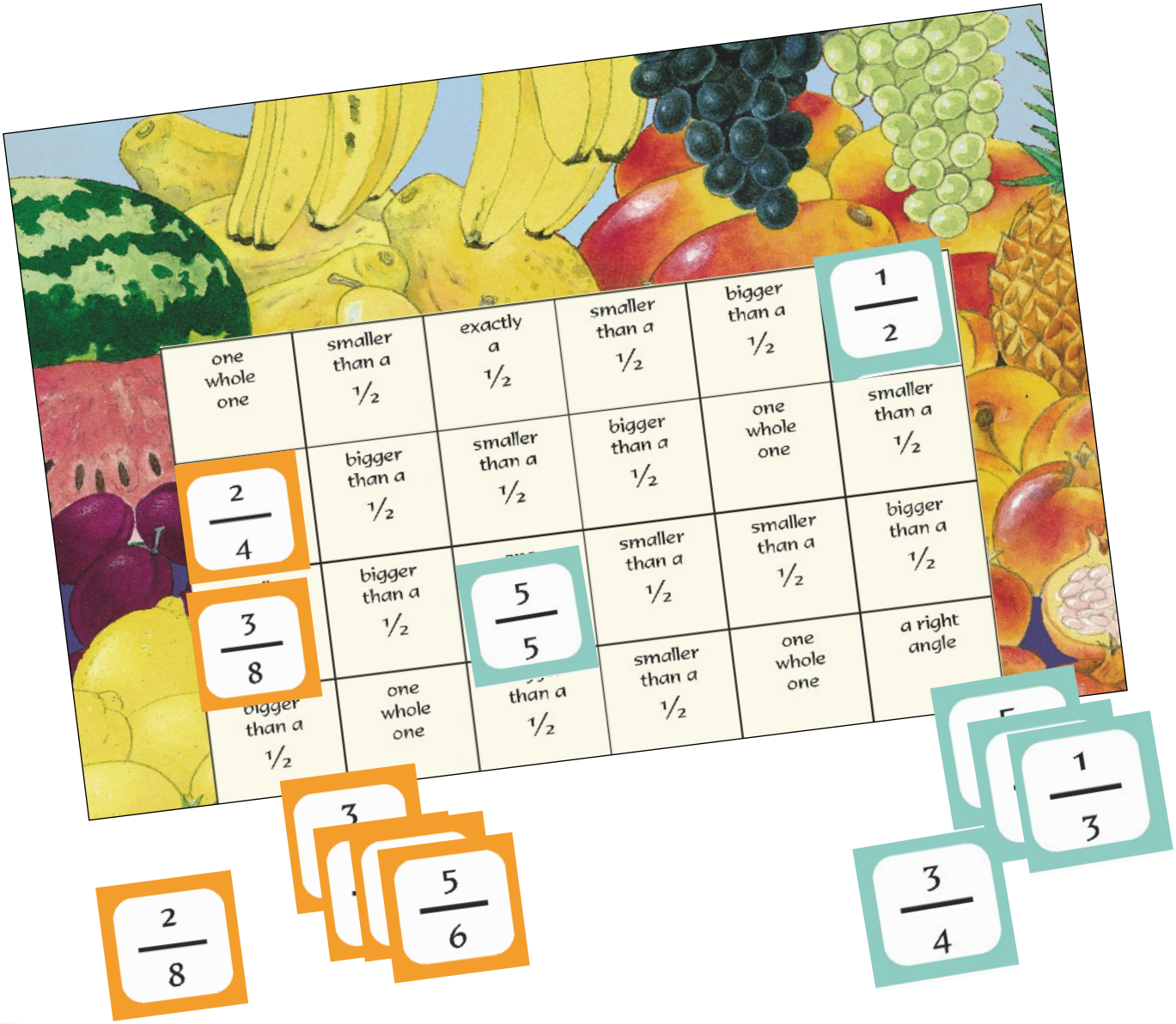
Bigger or smaller than Half

Connect Four



Fractions can be quite daunting for some students, so this game has been devised to help them recognise the value of fractions in a fun way and to have a better understanding of how fractions represent a part of a whole.

Suitable for students aged 7+

The Learning Outcome will be that students will be able to work out whether a fraction is more or less than a half.

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Bigger or smaller than Half
Connect Four

Developed by Netley Primary School in LB Camden and Stuart Scott

Theme: Fractions
Age range: 7+

Context:
Fractions can be quite daunting for some students, so this game has been devised to help them recognise the value of fractions in a fun way and to have a better understanding of how fractions represent a part of a whole.
If you make your own version please send it to the address below for expanding our library of resources.

Preparation:
Print out the A4 sheets.
If possible, laminate the "baseboards" and cover the pages of the cards with 'clear pvc self adhesive film'. Then cut out the squares to make the cards

HOW TO PLAY:
You need four people, one baseboard and two sets of cards (different colour borders).
Work with a partner to make a team of two.
Shuffle your team cards and place them in a pile face down.
Take turns to turn over your top card and decide where to put it on the board.
The team with the first four cards in a line either vertically, horizontally or diagonally wins.
Try to build the connections, but don't forget you can block the opponents too!

Learning Outcomes:
Students will be able to work out whether a fraction is more or less than a half.
If you have found further learning outcomes please share them by emailing collaborate@mantralingua.com.

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(You can purchase a professionally printed, sound-enabled version of this activity with pre-cut cards from www.mantralingua.com. Students can use PENpal to record and re-record aurally onto the pages and cards. Recordings can be saved and used for assessment, or shared with other classes and schools via "ShareLINK".)

Bigger or Smaller than half - Cards

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(Cut along the black dotted lines to make the cards)

$\frac{1}{2}$	$\frac{2}{4}$	$\frac{3}{6}$	$\frac{4}{8}$
$\frac{2}{4}$	$\frac{7}{8}$	$\frac{2}{3}$	$\frac{3}{3}$
$\frac{4}{5}$	$\frac{3}{4}$	$\frac{4}{4}$	$\frac{3}{5}$
$\frac{5}{6}$	$\frac{2}{5}$	$\frac{2}{3}$	$\frac{1}{6}$
$\frac{3}{8}$	$\frac{2}{8}$	$\frac{4}{6}$	$\frac{6}{6}$
$\frac{5}{5}$	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{1}{6}$

Bigger or Smaller than half - Cards

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(Cut along the black dotted lines to make the cards)

$\frac{1}{2}$	$\frac{2}{4}$	$\frac{3}{6}$	$\frac{4}{8}$
$\frac{2}{4}$	$\frac{7}{8}$	$\frac{2}{3}$	$\frac{3}{3}$
$\frac{4}{5}$	$\frac{3}{4}$	$\frac{4}{4}$	$\frac{3}{5}$
$\frac{5}{6}$	$\frac{2}{5}$	$\frac{2}{3}$	$\frac{1}{6}$
$\frac{3}{8}$	$\frac{2}{8}$	$\frac{4}{6}$	$\frac{6}{6}$
$\frac{5}{5}$	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{1}{6}$

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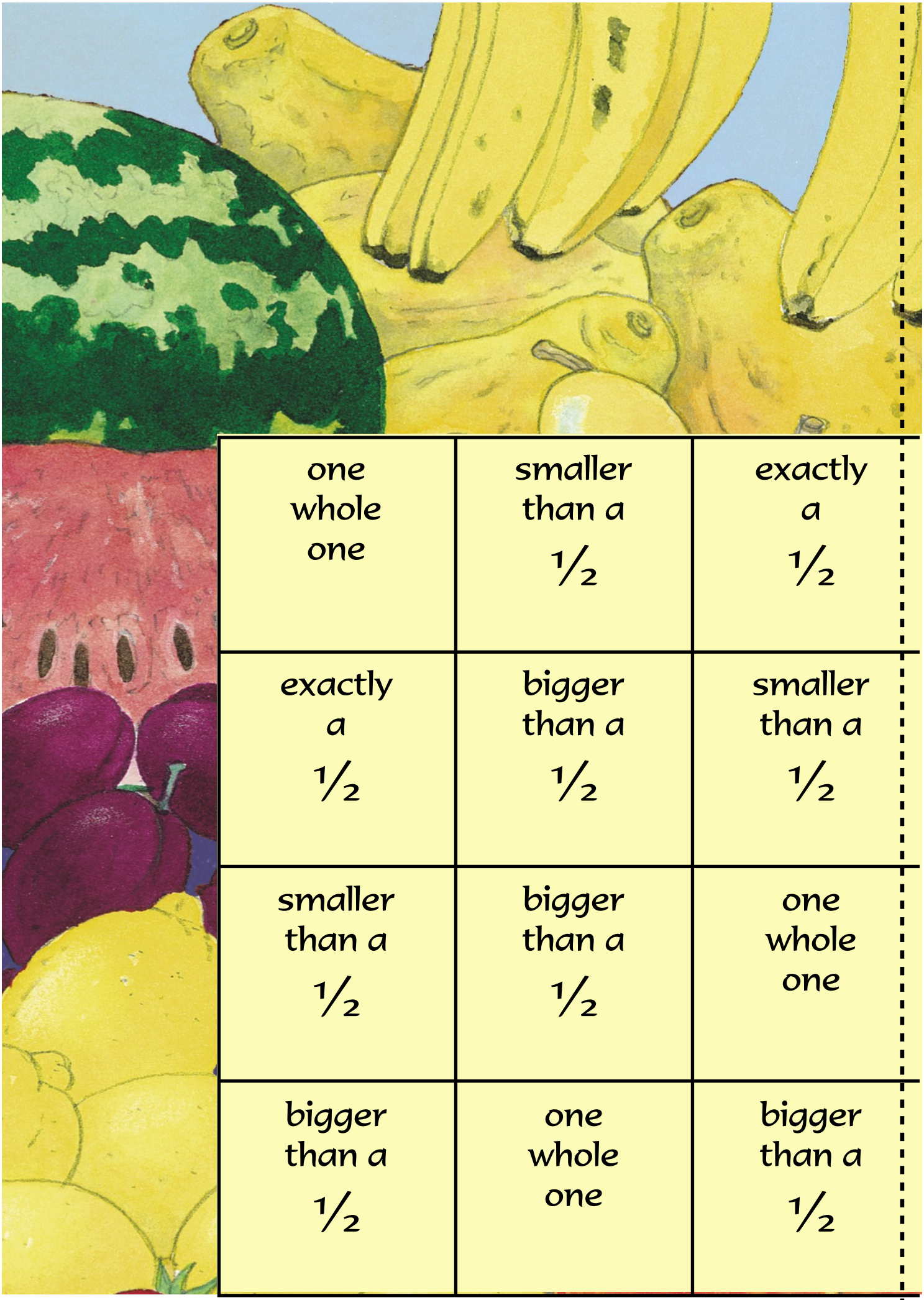
(This is the left half of the game board. Cut along the dotted line and glue to the right one, mount or laminate.)

Bigger or Smaller than Half - Game Board



one whole one	smaller than a ½	exactly a ½
exactly a ½	bigger than a ½	smaller than a ½
smaller than a ½	bigger than a ½	one whole one
bigger than a ½	one whole one	bigger than a ½

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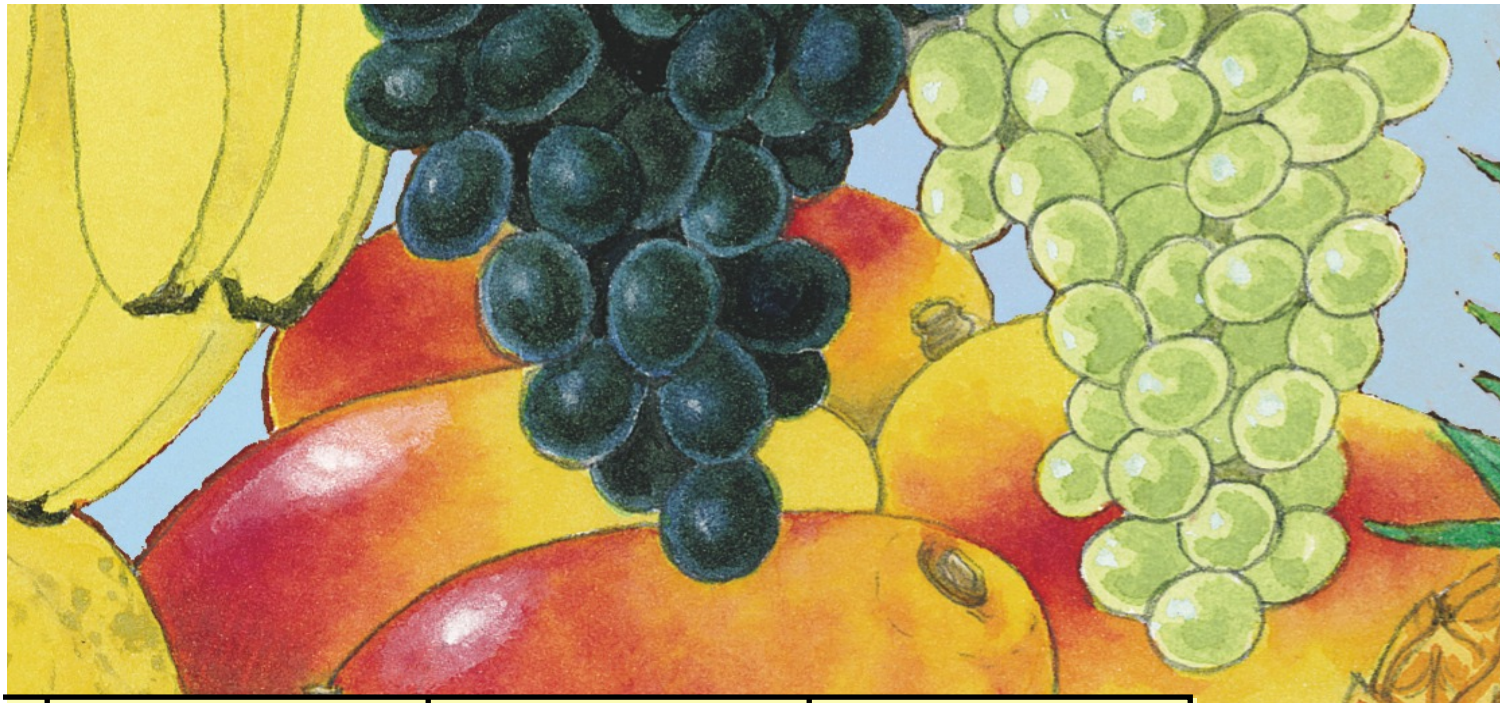
(This is the right half of the game board. Glue to the left one, mount or laminate.)



smaller than a ½	bigger than a ½	exactly a ½
bigger than a ½	one whole one	smaller than a ½
smaller than a ½	smaller than a ½	bigger than a ½
smaller than a ½	one whole one	a right angle