Can you make 1 using the numbers on this grid?

A seven page teaching and learning resource written by Liz Gibbs

The Busy Lizzie Maths Library

Make 1

This activity can be used as a mental warm up at the beginning of a lesson, as one of the activities in the daily mathematics meeting or as an introduction to a lesson on addition.

Give each child a whiteboard and pen.

The children can work on their own or with a talk partner.

Ask the children to look at slide 4. Each cell on the grid contains a two decimal place number. Can the children find two numbers that total 1 and write them on their whiteboard?

The object is for the children to find a pair or multiple pairs of numbers that total 1. The answer key is on page 5 and a print version can be found on page 6 should you wish to print out a single slide for pairs or groups to use.

This number board was made with finding pairs of numbers (2 dp) that total 1 in mind. However, there are other ways to use this board.

1. Select a number from the gird and ask, "Can you write this number in words?"
2. Select a number from the grid and ask, "Can you partition this number from the board in two or more ways?"
3. Can you find and write down a number from this board that is
    • Greater than…
    • Smaller than…
    • Between … and …
4.   Draw attention to only one column and ask the children to
    • add two numbers together. Ask "Which two numbers give the greatest sum?"
    • take one number from the other. Ask "Which two numbers give the smallest difference?"
3. Select a number from the grid and ask the children to multiply it by 10, 100 or 1000.
4. Select a number from the grid and ask the children to divide it by 10.
5. Select a number from the grid and double it, double it again and again and again. How far can you mentally double the number?
6. Select a number from the grid and halve it, halve it again. How far can you mentally halve the number?

0.52	0.28	0.16	0.36	0.14	0.63
0.64	0.47	0.79	0.48	0.88	0.59
0.37	0.86	0.53	0.21	0.14	0.84
0.41	0.12	0.72	0.55	0.86	0.45

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