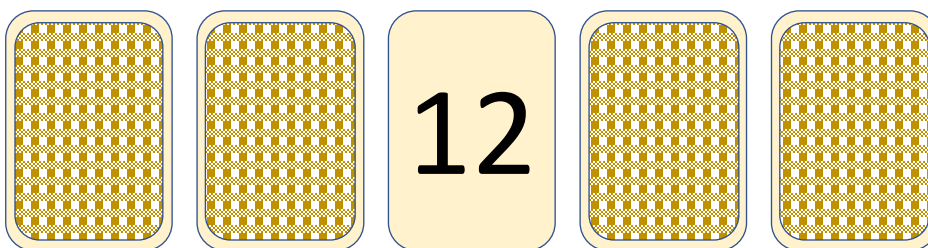


Number patterns

Written by Liz Gibbs

The Busy Lizzie Maths Library

Number patterns



Here are five digit cards.

The number 12 card has been turned over.

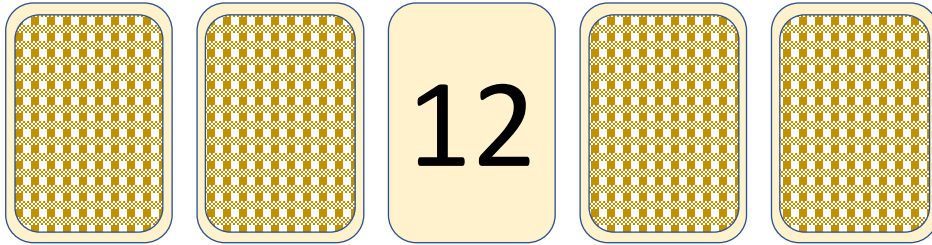
What numbers come before and after 12? How many different ways can you find?

For example:

10, 11, 12, 13, 14 or 14, 13, 12, 11 and 10 are all consecutive numbers.

8, 10, 12, 14, 16 are all even numbers.

Number patterns



The numbers either side could be...

- increase or decrease by 1
- increase or decrease by 2, 3, 4, 5, 6
- negative numbers
- mixed number fractions, e.g. 11, $11\frac{1}{2}$, 12...
- could be decimals, e.g. 12.2, 12.1, 12. 11.9. 11.8 ...

Some solution ideas

10	11	12	13	14
8	10	12	14	16
6	9	12	15	18
11	11.5	12	12.5	13
9	10	12	15	19

14	13	12	11	10
16	14	12	10	8
18	15	12	9	6
13	12.5	12	11.5	11
19	15	12	10	9