

odd numbers

more than 10

Write each of these numbers in its correct place on the Venn diagram.

8

15

14

3

17

	multiple of 5	not a multiple of 5
multiple of 2	10	8
not a multiple of 2	15	3

Write **two more** numbers in **each** part of the Carroll diagram.

What do you notice about numbers that are **multiples** of **both 5** and of **2**?

	45 50	15 10
	42 51	38 19

Here are four labels.

more than 40

multiples of 5

not more than 40

not multiples of 5

Write them in the correct positions on the Carroll diagram.

Write each of these numbers in its correct place on the Venn diagram.

20

17

12

24

18

	multiple of 50	not a multiple of 50
more than 500	650	712
not more than 500	150	379

Write **two more** numbers in **each** part of the Carroll diagram.

	48 56	32 24
	44 52	38 30

Here are four labels.

more than 40

multiples of 8

not more than 40

not multiples of 8

Write them in the correct positions on the Carroll diagram.

Write each of these numbers in its correct place on the Venn diagram.

21

42

35

27

18

	multiple of 25	not a multiple of 25
more than 500	650	735
not more than 500	150	379

Write **two more** numbers in **each** part of the Carroll diagram.

	54 18	45 27
	24 42	33 26

Here are four labels.

multiple of 6

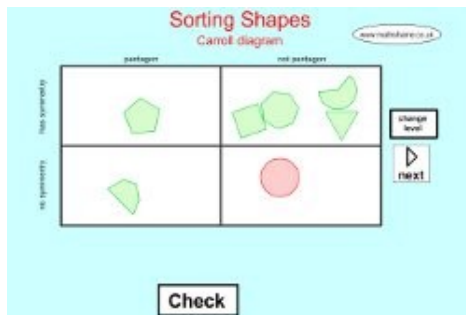
multiples of 9

not a multiple of 6

not a multiple of 9

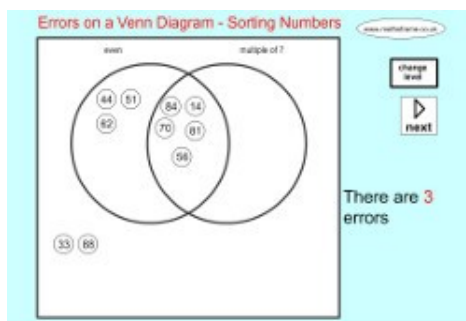
Write them in the correct positions on the Carroll diagram.

Useful interactive games to teach the skills needed for sorting on a Carroll and Venn diagram:



http://mathsframe.co.uk/en/resources/resource/75/shapes_sort_carroll

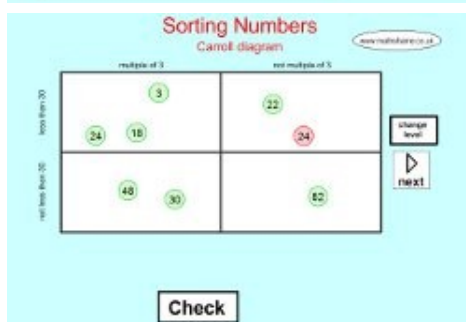
Sort a variety of 2d shapes on a Carroll diagram. Sort by one or two conditions. Sort triangles - scalene, equilateral and isosceles. Sort quadrilaterals, pentagons, hexagons, heptagons and octagons, as well as parallelograms, rhombus, kites and trapeziums. Also sort according to a shapes properties such as acute, obtuse, reflex or right angles and symmetry or whether it is a regular shape.



http://mathsframe.co.uk/en/resources/resource/141/errors_on_a_venn_diagram_numbers

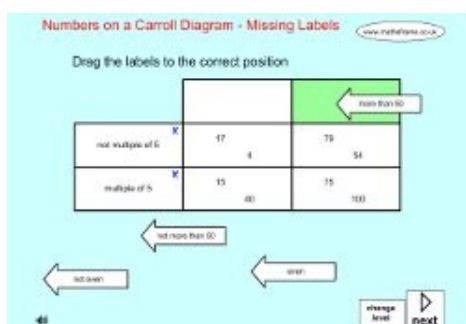
Identify the numbers which have been placed in the wrong position on the Venn diagram and drag them to their correct place

Choose to arrange numbers by whether they are odd or even, or multiples of a given number, or prime or square numbers.



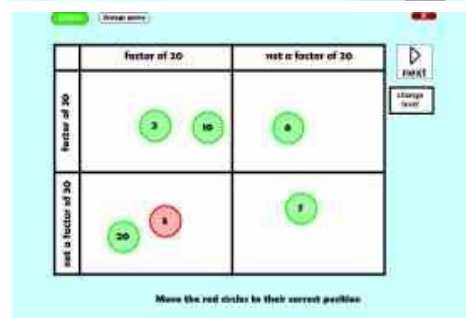
http://mathsframe.co.uk/en/resources/resource/84/carroll_sort_numbers

Sort numbers on a Carroll diagram. Sort according to one or two properties, including: odd, even, multiples, square numbers, prime numbers, triangular numbers, numbers less than 30 or more than 50.



http://mathsframe.co.uk/en/resources/resource/138/numbers_on_a_carroll_diagram_missing_labels

Drag the correct labels onto the Carroll diagram. A great game to encourage reasoning about the properties of numbers. Works really well as a mental starter.



http://mathsframe.co.uk/en/resources/resource/27/finding_factors

Find the factors of numbers and organise them on a Carroll Diagram.

http://mathsframe.co.uk/en/resources/category/21/sorting_and_classifying lots more games which use Carroll and Venn diagrams to sort; 2d shapes, 3d shapes and numbers