Year 3 — Week 6 — Investigations

Sudoku: Each row, column and box has 1 to 9

5				8	6			1
	2		7		1	6		
	7	1				2	5	
9	1			2			7	
3			1	4	5			6
	6			9			2	4
	5	3				4	6	
		8	9			3	5	
2			5	1				7

Fill in the boxes by finding the patterns.

3210 | | 1210 |

3110 |

| | | 6010

Sort the Socks!

Start with three pairs of socks. Now mix them up so that no mismatched pair is the same as another mismatched pair.

Now try it with four pairs of socks. Is there more than one way to do it?
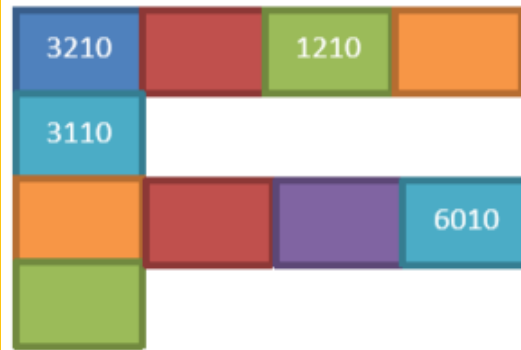
Draw different stick men with two arms and two legs.

How many different ways can you do where the arms and legs are different sized angles (including greater than and less than a right angle)?
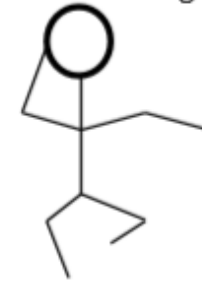
For each drawing write how many greater and/or less than angles there are e.g.
2 angles less than a right angle
2 angles greater than a right angle

shark + shark = 22

shark − dolphin = 3

whale + dolphin = 14

whale + shark = ?

Puzzle ID: 35985   Solvemoji.com

Put each of the numbers 1-40 into this Venn diagram. Which numbers fall into both groups?

Even numbers   Multiples of 5