Year 2

Week 5 Problem Solving

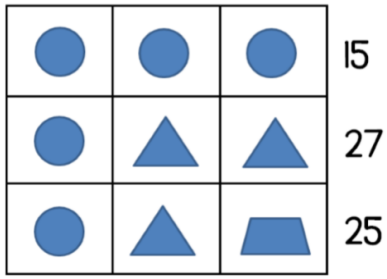
Can you.....?

- Count forwards and backwards from any number up to 100
- Recall number bonds to 100 eg. 40 + 60 = 100 and 35 + 65 =100
- Recall 2, 5 and 10 times tables
- Know symbols + - = x ÷ < >

In this diagram shapes represent numbers.

The sum of each row is shown at the side.

Find the value of each shape.



Have a go at making your own using different shapes and change the value of each shape.

Reasoning

Magic Squares

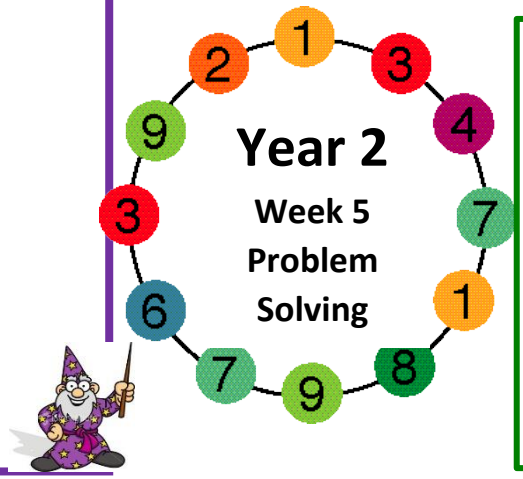
Write the numbers 1-9 in each of the squares below, so that each row, column and diagonal adds up to 15.

6		
	5	
8		

	9	2
8		

8		
1	5	
	7	

4		
	5	7
	1	



Find the missing number

Can you find the missing numbers in each number pattern?

5, 10, 15, ☐, 25, ☐, 35, ☐, ☐, 50, 55,

90, ☐, 70, ☐, ☐, 40, 30, ☐, 10

12, 22, 32, ☐, 52, ☐, 72, ☐, 92

2, 4, ☐, 8, ☐, 12, ☐, ☐, 18

Can you write your own number patterns?

Problem solving and reasoning

Can you find the **chosen** number from the square using the clues below?

1. The number is odd.
2. It is in the 5 times table.
3. It is smaller than 6X5=
4. Its tens digit is even.

Write your own clues for another number from the square. Good luck!

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36

Useful websites and games

Problem solving games:
https://www.topmarks.co.uk/maths-games/5-7-years/problem-solving

- Cuddly Toy Sale (money)
- Power Lines (challenge)
- Burying Bones
- Magic Squares