

# Year 6

**Number Awareness**

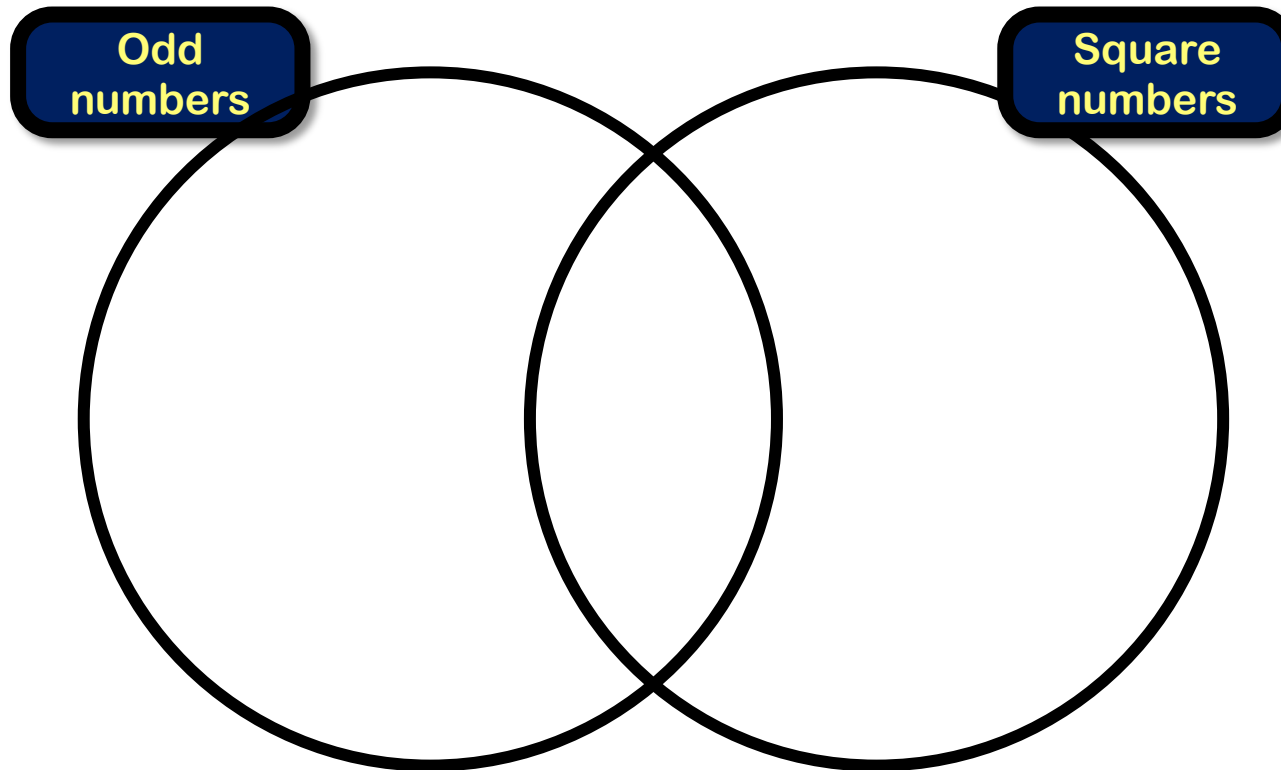
**Week 3**

**Odd and Even Numbers**

## Notes for teachers in school or at home:

- Learn to recognize odd and even numbers
- Halving odd numbers
- Understand what happens when you add or subtract odd and even numbers
- Explore what happens when you multiply and divide odd numbers
- Explore patterns of odd and even numbers in times tables

# Recognising Odds and Evens



Sort these numbers into  
this diagram

11 25 50 75 100  
41 16 36 66 96 91  
10 20 30

# Halving odds and evens

Work through this grid.

Halve each number.

Think about how the calculations are connected.

1	10	100	1000	0.1	0.01
5	50	500	5000	0.5	0.05
7	70	700	7000	0.7	0.07
11	110	1100	1111	1.1	11.11
3	30	301	303	0.3	3.3
33	330	331	333	3.33	333.3



# Always, sometimes or never true?

When you divide an odd number by an even number, you get a remainder

When you divide an even number by an even number, you get a remainder

Read each of these conjectures  
**CAREFULLY!**

Predict if they are always, sometimes or never true.

Then investigate. Look for more than 5 examples and/or counter examples for each.

When you divide an even number by an odd number, you get a remainder

When you divide an odd number by an even number, you get an ODD remainder

# Did I start with an odd or even number?

