

# Year 3/4 Week 1

Noticing numbers

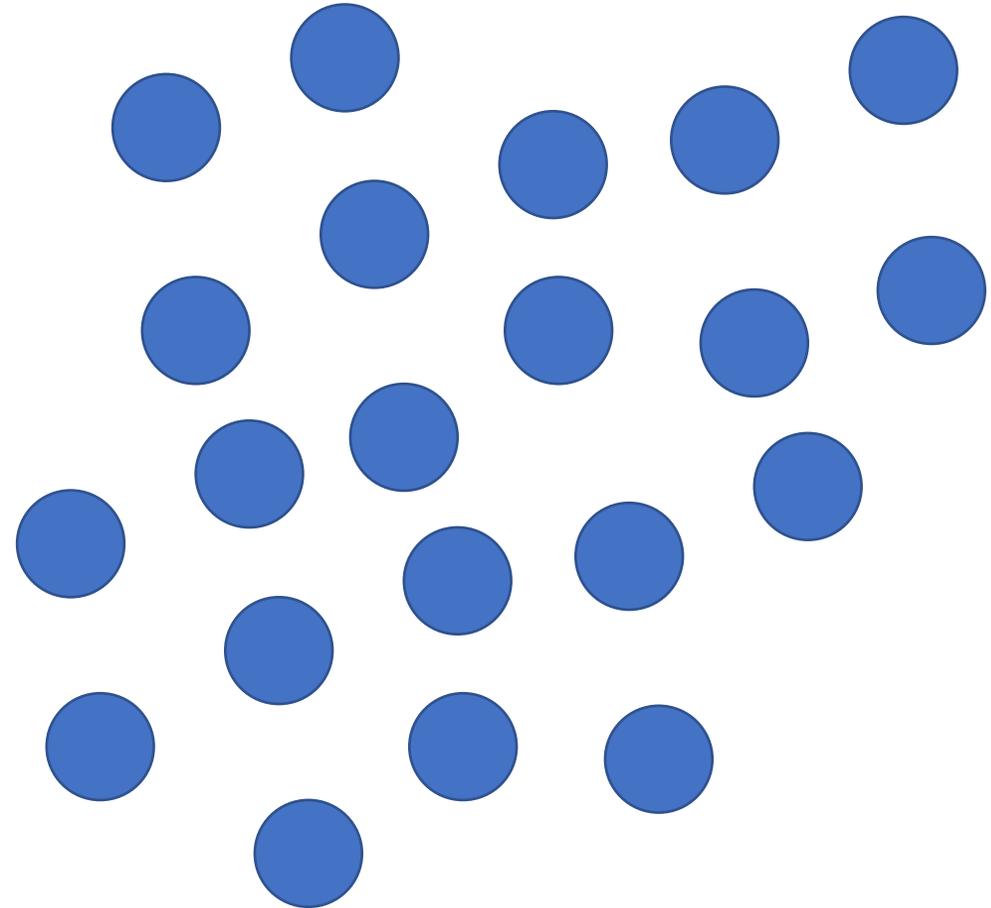
# Number game

2 players.

Start with 21 objects.

Take turns to remove either 1, 2 or 3 each time.

The **winner** is the one who takes the last object.



# Interesting numbers

Do you have a favourite or lucky number?

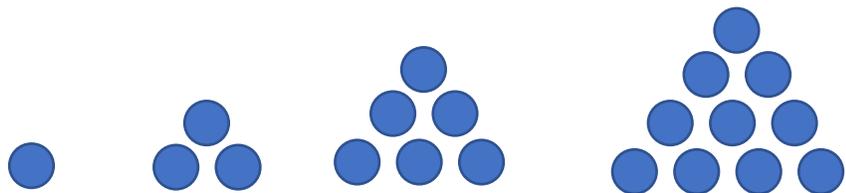
Why is it your favourite?

What do you like about it?

What is the biggest number you know?

Investigate the names for enormous numbers.

Invent a growing pattern. How many in each stage?



Do you think numbers go on for ever, or will they eventually run out?

Have you heard of infinity?

# Patterns

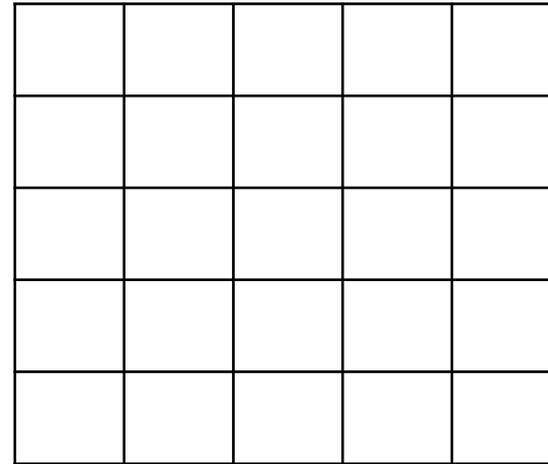
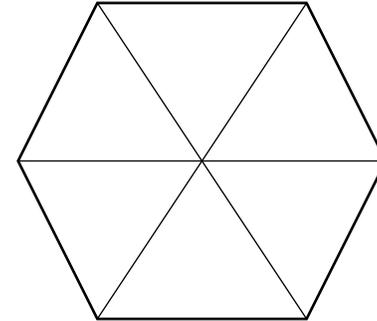
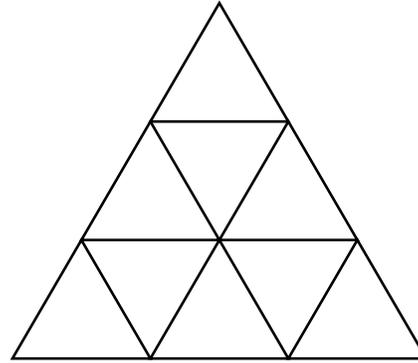
Draw patterns and grids like these.

Shade different patterns.

Can you make some cool symmetry?

Can you invent one no one else will think of?

Make up your own!



# Number game Sequel!!

2 players.

Start with 21 objects.

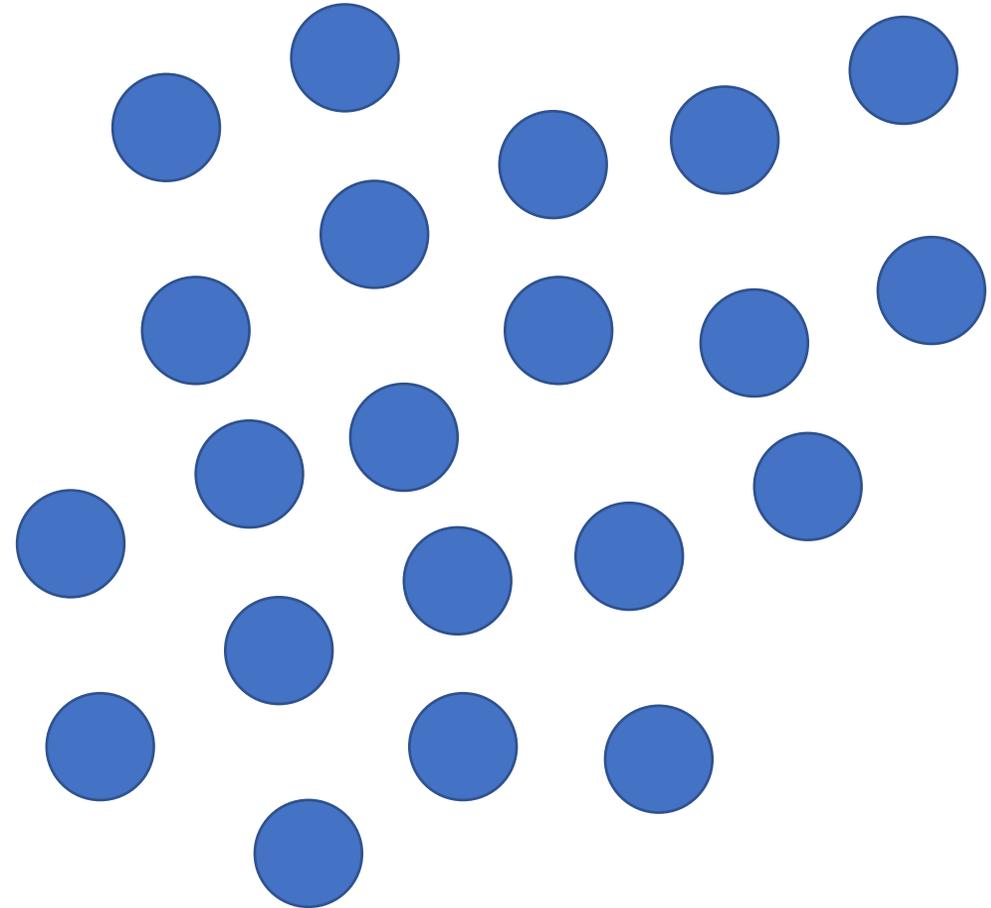
Take turns to remove either 1, 2 or 3 each time.

The **loser** is the one who takes the last object.

*Invent your own rules:*

*Start with a different number.*

*Change how many you can remove each time.*



# Learning to Learn

## Play a memory game

For 2 players.

Player A

Make a pattern of up to 10 different objects

Show it for 5 seconds, then cover it.

Player B

Can you remember all the things you saw?

## Practice memory skills

Try one of these:

Learn a song off by heart.

Invent a small dance routine to learn.

Learn the names and capital cities of 10 countries.