

Good Morning... Do Now Task

1. Write down all of the **even** numbers below 20
2. Write down all of the **odd** numbers between 40 and 60
3. Write down the first 5 **multiples** of 6.

Extension

Can you remember what square numbers are? If so, write down the first 15!

Form Session 3.2

What will I learn today?

About square numbers, cube numbers and prime numbers.

Why will I learn it?

To help us display data in a clear way.

Key vocabulary for today's lesson:

Square

Cube

Prime



St Anne's
Church of England Academy

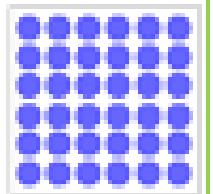
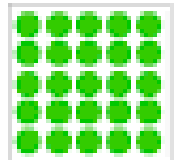
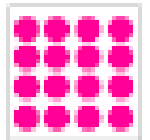
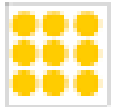
The best for everyone
The best from everyone
We have faith in our future

Square Numbers

A square number the answer when you multiply a number by itself

e.g.

$$4 \times 4 = 16$$

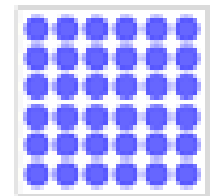
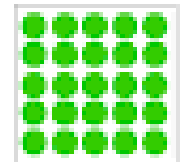
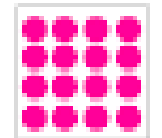
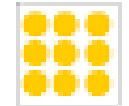


Is there another way to write this?

Square Numbers

Quick check:

Write down all of the square numbers up to 15^2



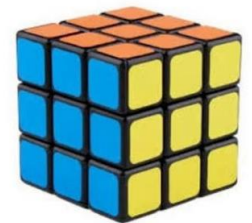
Cube Numbers

A cube number the answer when you multiply a number by itself three times

e.g.

$$4 \times 4 \times 4 = 64$$

Is there another way to write this?



$$3 \times 3 \times 3 = 27$$
$$3^3 = 27$$

Cube Numbers

Quick check:

Can you answer the following?

1. $2^3 =$

2. $3^3 =$

3. $1^3 =$

Prime Numbers

A prime number only has two **factors**:

E.g. list all the factors of 13

E.g. list all the factors of 20

Which one is
the prime
number?



Prime Numbers

For each pair of numbers, identify the one that is prime:

1. 17 or 30?
2. 11 or 15?
3. 27 or 29?
4. 1 or 2?
5. 49 or 83?

Extension

1. List all the prime numbers below 20 (HINT: there are 8!)
2. Find the **sum** of the first 5 prime numbers.
3. Find the **product** of the first 3 prime numbers.