2CQ Autumn 2 Newsletter

Diary Dates:

PE: Monday (indoor) and Thursday (outdoor)

Book change days remain the same as last half term.

Panto trip: Friday 12th December 2025 (more info to follow)

Maths

This half term, we will focus on:

Using number lines to add and subtract within 100.

Solving mixed addition and subtraction word problems.

Comparing addition and subtraction calculations with the greater and less than symbols.

Counting the sides and vertices of 2D shapes.

Drawing 2D shapes.

Finding lines of symmetry.

Counting the faces, edges and vertices of 3D shapes.

Making patterns with 2D and 3D shapes.

English

This half term we will learn how to:

- Continue practising our letter formation
- Apply taught phonics
- Finger spacing
- Capital letters and full stops
- Create a character description
- Write reports
- Narrative writing
- Create and follow instructions
- Orally rehearse sentences

What can we do at home?

Read lots of stories to your child.
Listen to your child read as much as possible.
Please remember to sign reading diaries to earn raffle tickets.
Look through this half term's knowledge organisers.
Do one homework task each week and upload to Dojo.

Geography

We will be leaning all about our wonderful world and what actually makes it wonderful. We will look at natural habitats and what makes them special.

DT

During DT lessons, we will look at a range of objects which use wheels to move. We will design and create our own mini Ferris wheels.

Science

The science unit this half term is 'identifying plants and animals
Name minibeasts
Describe how microhabitats provide the basic needs of plants and animals

RE

We will be exploring the following questions:
What is a mosque and what happens at mosques?
What happens during Eid?

2CQ Autumn 2 homework

Please complete one task per week and upload a photo or video to dojo.

English

Follow a list of instructions and identify the key elements to make instructions successful. Was it easy to follow? What did you create as a result of the instructions you followed?

Science task

Go on a local walk and take photographs of any habitats that you see. Upload your photos to Dojo. You could visit your garden if you have one, spot habitats on the way to school, or visit a local park or woodland area! Even draw/create a habitat that you seen!

Maths task

Explore your house or the outside environment to find things that are symmetrical. Create a video or take photos to show what you found!

We will be learning about symmetry during the last 2 weeks of the term.

DT task 1

Create a list of different things which use wheels to move. You could create a pic collage or sketch some of the objects.

DT task 2

Design your own invention that uses wheels in some way. You could label your invention, write sentences to explain what it does, or create a video to explain what it does and how it works.

If you have time and craft materials, you could even try to build your invention!

Remember to read at home as much as possible. Get you reading diary signed and you will win a raffle ticket!
Use Numbots and TTRS to develop your maths skills at home!

Maths knowledge organiser

Addition and Subtraction — Knowledge Organiser

Key Vocabulary

- Add
- Total
- Make
- Plus
- Sum
- More
- Altogether
- Difference
- Leave
- Subtract
- Difference between
- Less
- Minus
- Take away
- Mentally, Orally
- Column Addition
- Column Subtraction
- Estimate
- Inverse operation
- Solve problems
- Number facts
- Place Value

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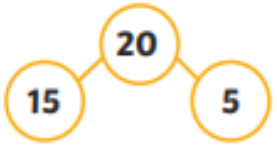
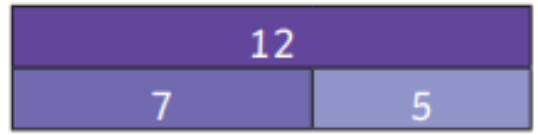
Addition and Subtraction Bonds to 20



15 + 5 = 20
20 – 5 = 15
20 – 15 = 5



7 + 5 = 12
12 – 5 = 7
12 – 7 = 5

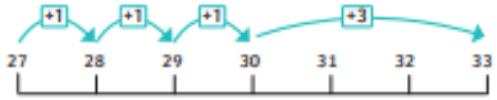
4 + 3 = 7

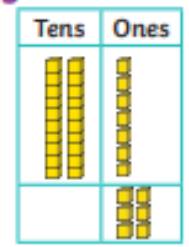
15 – 7 = 8

Methods

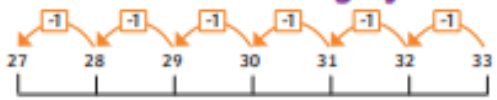
Add 2-digit and 1-digit

27 + 6 = 33

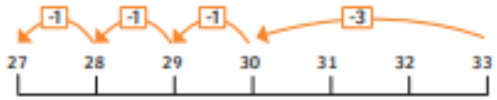


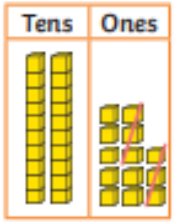


Subtract 1-digit from 2-digit



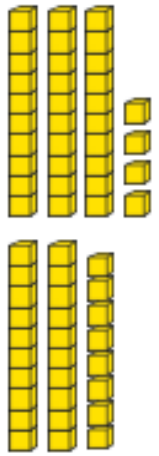
33 - 6 = 27





Add 2-digit numbers

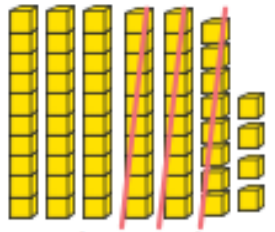
34 + 28 = 62



3 tens and 4 ones
add
2 tens and 8 ones
equals
5 tens and 12 ones
becomes
6 tens and 2 ones

Subtract 2-digit numbers

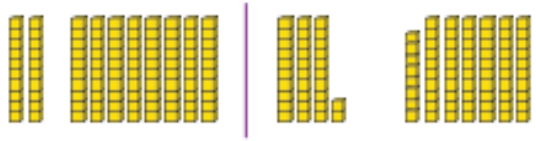
62 – 28 = 34



6 tens and 2 ones becomes
5 tens and 12 ones subtract
2 tens and 8 ones equals
3 tens and 4 ones

Addition and Subtraction Bonds to 100

2 + 8 = 10
so 20 + 80 = 100



32 + 68 = 100
3 tens and 2 ones + 6 tens and 8 ones
= 9 tens and 10 ones = 10 tens =one hundred

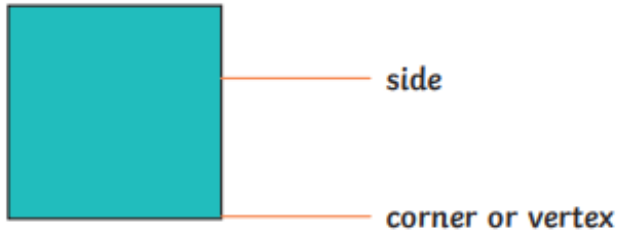
Geometry: Properties of Shape

Knowledge Organiser

Key Vocabulary

- two-dimensional (2D)
- three-dimensional (3D)
- flat
- solid
- corner
- apex
- vertex
- vertices
- side
- edge
- face
- curved
- straight
- round
- line of symmetry
- vertical
- pattern

Recognise and Describe 2D Shapes



square

triangle

rectangle

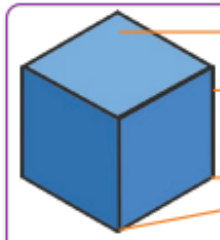
circle

pentagon

hexagon

quadrilateral

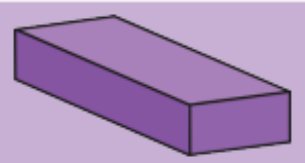
Recognise and Describe 3D Shapes



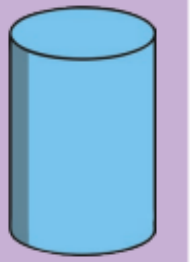
cube

apex or vertex

cone



cuboid



cylinder

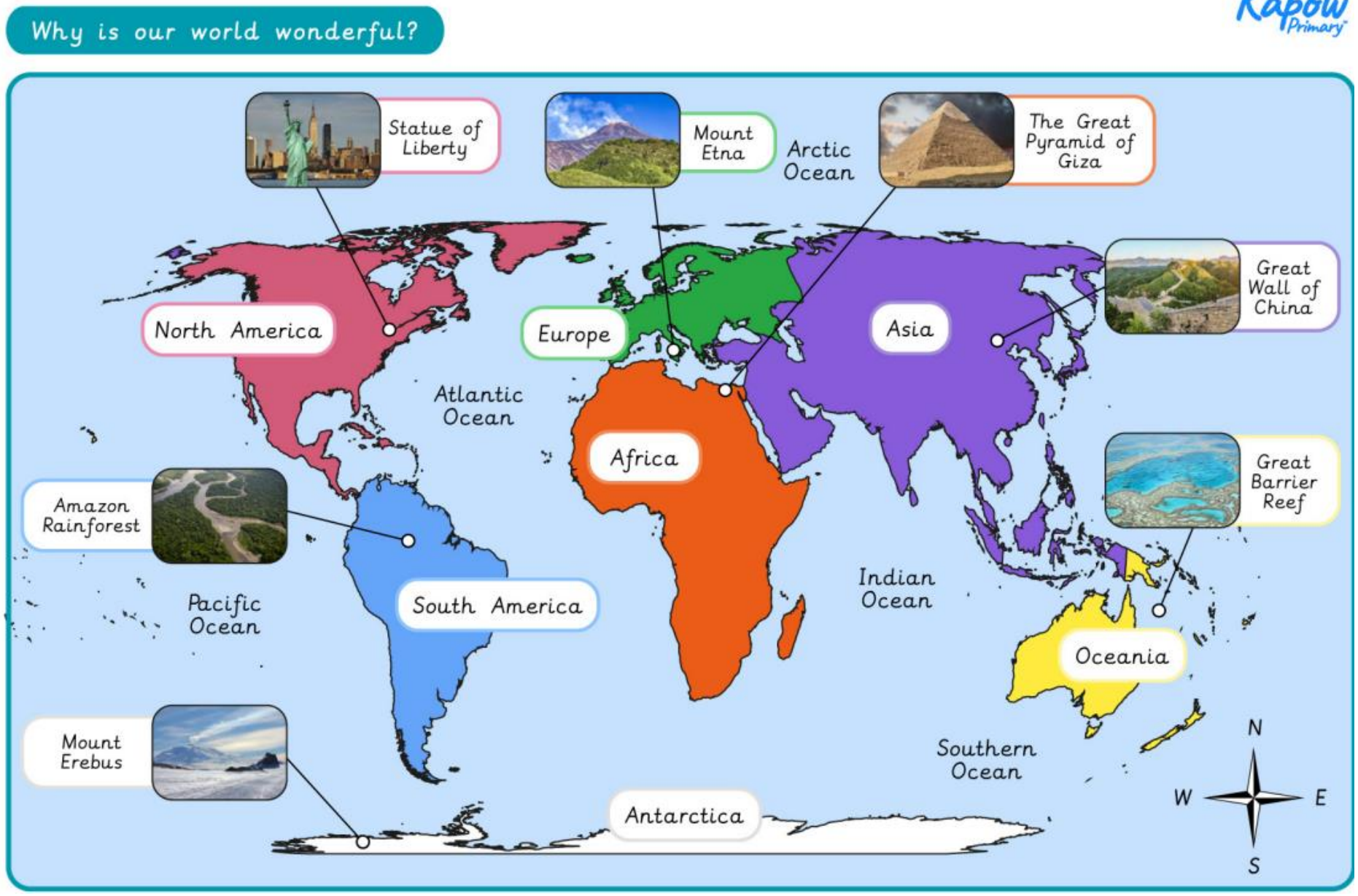
curved surface

sphere

triangular prism

square-based pyramid

Geography knowledge organiser



DT knowledge organiser

Mechanisms - Fairground wheel

Axle	A long straight piece of material which connects to a rotating component (e.g. the wheels of a car).
Decorate	To add details to a design to improve its appearance.
Evaluation	When you look at the good and bad points about something, then think about how you could improve it.
Ferris wheel	A ride at a fairground which carries passengers around a large vertical wheel.
Ferris wheel pod	The container which carries passengers around the ferris wheel.
Mechanism	The parts of an object that move together as part of a machine.
Stable	Object does not easily topple over.
Strong	Something that is not easily broken (e.g. wood, brick, building).
Test	To find out whether something works as it should.
Waterproof	Material that does not allow water pass through it.
Weak	Something that is easily broken (e.g. eggshells).

Did you know?

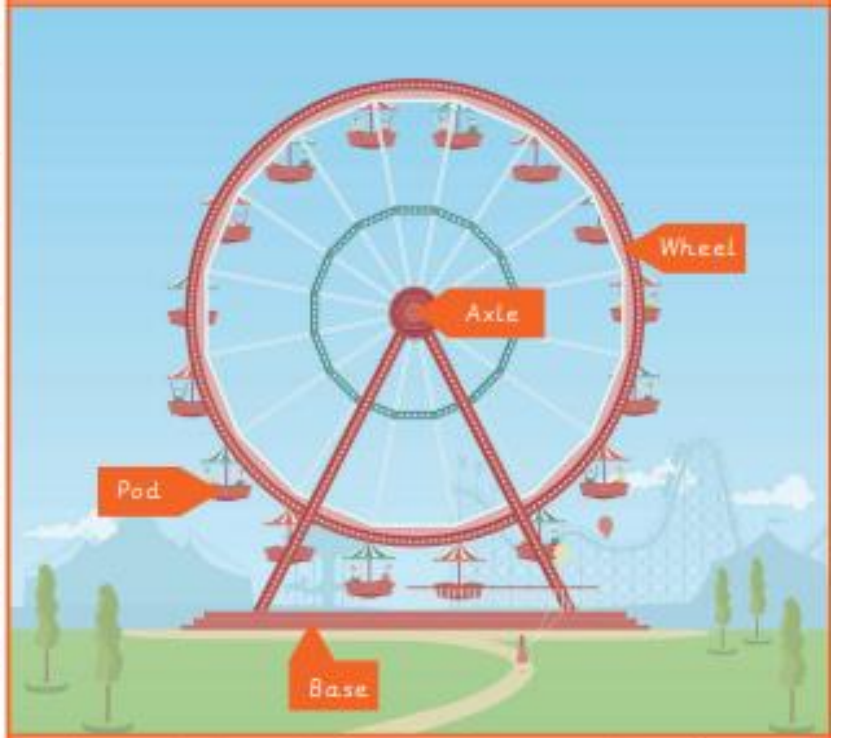
The first **ferris wheel** to be built was called the Chicago wheel, in 1893 over 100 years ago!

It was over 80 metres tall.

Key facts

Kapow Primary

The features of a **ferris wheel**.



Materials have different properties. Your **ferris wheel** design will need to be **stable** and **strong**. Which materials could you use?

	Bricks are made from clay. They are stiff and **strong**.
	Wood comes from trees. It is **strong** and flexible.
	Metal comes from ore, that is mined underground. It is **strong** and hard.