

Maths In Panda Class Maths is everywhere. We:

- Find numbers, count, sort and categorise groups and sets.
- Explore pattern and form in nature, art materials and mediums.
- Learn about different shapes and explore their properties through fun and engaging activities and play.
- Learn about volume and capacity through water play, making playdough and using dry ingredients like pasta and cous-cous
- Explore size and shape through seasons, resources and topics
- Explore measuring using rulers, meter stick and various objects to order and sequence in size





We love to explore maths outdoors!

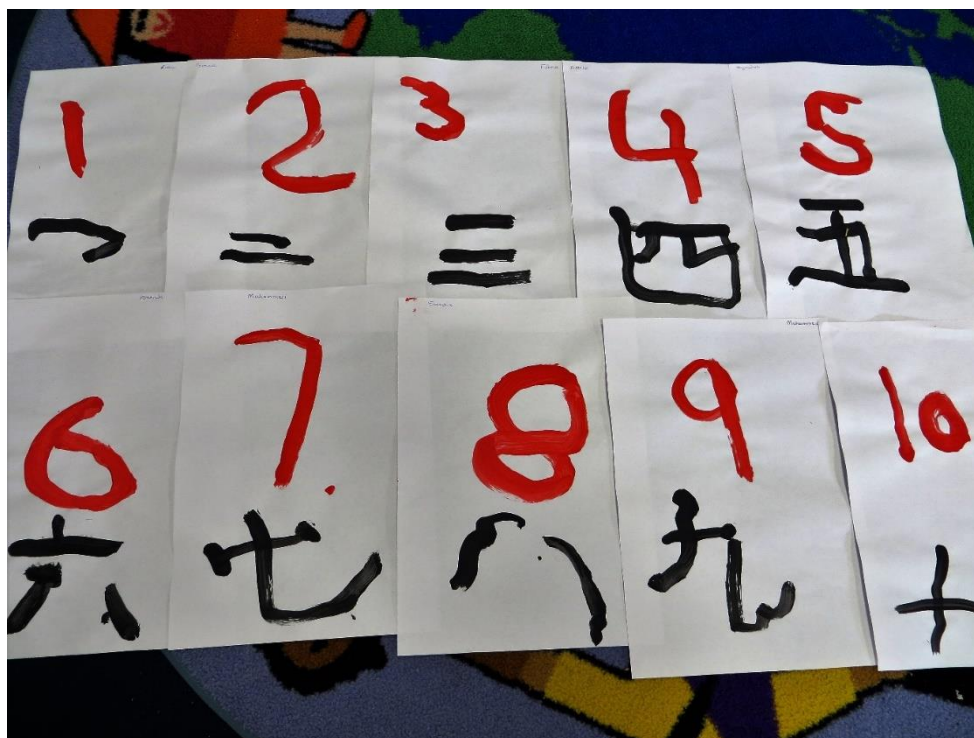


Natural materials make great counters and are fun for creating shape models and tall towers.

Number



Numbers around the world



We look at numbers in all different ways. Here we all had a go at writing Chinese numerals.

Measure

Through our continuous provision, children are able to access a wide range of measuring resources independently. We also set up challenges and provocations where the children can explore size, shape and measure in groups, independently or supported by an adult.



Sharing books like 'Elmer the Elephant provides a great basis for a measuring enquiry. It encourages discussion, prediction, questioning and problem solving. We introduce mathematical equipment like rulers to enable the children to start developing a concept of measure.



Using the metre sticks or tapes to measure larger objects like each other is always a great practical way to develop concepts further.



We set up simple maths activities using a range of daily resources to provide exposure to number, numerals, counting and allocating numbers to objects and groups

Numicon

We introduce Numicon to the children right at the very start of the academic year. The children learn to explore the pieces by simply handling and playing with them in everyday play. We add marbles with them in the water tray, push the pieces into play dough and even use them to paint with.



Adults support with developing an understanding of number and shape alongside the independent explorations



Our wooden bricks always provide fantastic opportunities to develop the children's own questioning and thinking around size. They explore independently and in small groups. Sometimes the whole class become involved creating wonderful structures, models and towers. We introduce language like tall, taller, short, shortest, bigger than. The children begin to develop an understanding and quickly start to use this language in their own play, learning and explorations.





Look at this amazing collaborative play! So much learning and development happens in our brick play!

Natural Materials & Loose parts



We use various small pieces, bowls, pots, pasta, loose parts and natural materials to encourage the children to independently explore, question, sort and develop their own ways of thinking. This area is open ended. Children spend time here exploring seasonal produce like pumpkin seeds, fir cones, conkers and acorns to sequins, buttons and pebbles.



We use specific, concrete resources to provide opportunities for children to begin to develop concepts.



The children have quickly learnt to find shapes in a daily nursery life too. They spot a round plate or cup and can tell adults shapes in resources and materials that we use throughout the day.

We make links to shapes through our stories as well. Elmer the elephant helps us to find out about squares. The Very Hungry Caterpillar helped us to learn about a circle. We record our learning in our special work books so we can share it with our friends and grown ups.





We also sing daily songs and rhymes to help us develop our maths skills. The children love

' 5 Little Ducks', https://www.youtube.com/results?search_query=5+little+ducks

It is really easy to help your child to observe maths in the environment too. Perhaps on your home you could:

- spot a number on a door or car number plate
- Have a hunt for squares and rectangles on buildings and shop logos!
- Count your steps as you walk home
- Count how many red cars you see

Please do ask a staff member if you would like some help or support with this area of learning. We also have some colouring sheets and resources that you are welcome to use at home.