COLTREE THE DISAGON

24 hours = 1 day

7 days = 1 week

12 months = 1 year

Counting Through The Year Calendar 2025

is a very friendly dragon.
He has yellow horns, yellow spikes and big blue and yellow wings
to fly around.

COLTALE
has big blue ears with
which to hear you.
Watch out!
He breathes fire.



Teaching Maths in early years helps set a good foundation for life skills

Teaching mathematical skills to very young children is a unique and rewarding challenge. These early years are the perfect time to lay the foundation for mathematical thinking, not just by introducing numbers and shapes, but by nurturing problem-solving skills, patterns of reasoning, and a love of discovery. These are tools children need to navigate not just the classroom but the world.

Let this calendar inspire you to see mathematics through the eyes of a child - full of wonder, possibility, and joy.

0 to **12** Months Maths Activity

Treasure basket

Set up a treasure basket filled with safe objects such as small wooden and metal spoons, egg cup, textured fabrics and small boxes. Use words like soft, long, round and smooth.

This activity promotes sensory exploration whilst introducing mathematical concepts such as shapes, sizes and lengths in a fun way!



JANUARY

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	



Did you know?

The number of days in a year: 30 days in September, April, June, and November, 31 days in all other months, and 28 days in February, except in leap years when it has 29 days.

0 to 12 Months Maths Activity

Rhythmic patterns

Introduce your baby to musical instruments like shakers. Make sounds and encourage them to respond. Play a simple rhythm - tap the drum twice or shake the maraca slowly. Encourage your baby to imitate you, then respond by mimicking them with another instrument, creating a "conversation" and pattern of sounds.



FEBRUARY

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1
3	4	5	6	7	8
10	11	12	13	14	15
17	18	19	20	21	22
24	25	26	27	28	
	3 10	3 4 10 11 17 18	3 4 5 10 11 12 17 18 19	3 4 5 6 10 11 12 13 17 18 19 20	3 4 5 6 7 10 11 12 13 14 17 18 19 20 21



Did you know?

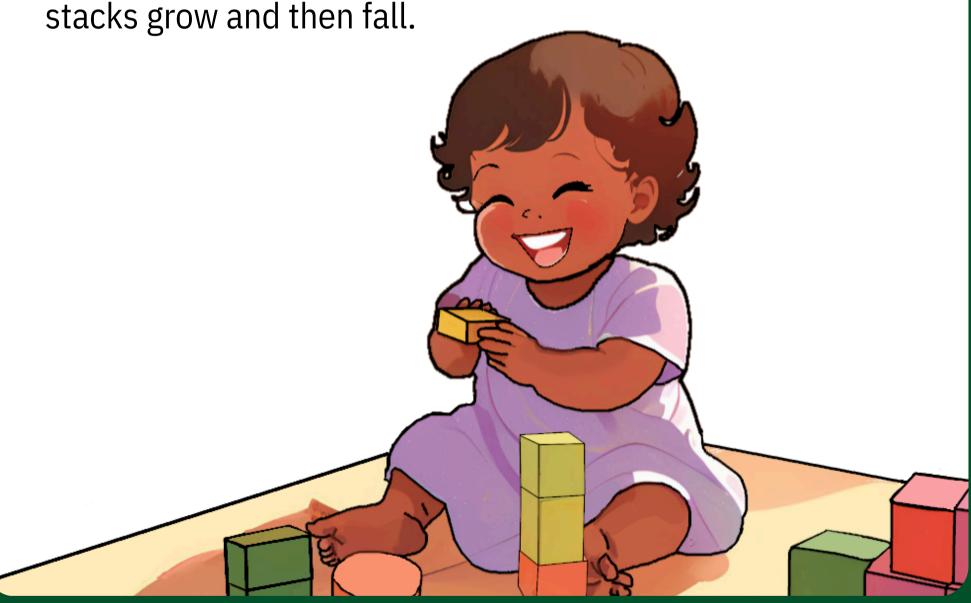
The number four is the only number in the English language that is spelled with the same number of letters as the number itself.

0 to 12 Months Maths Activity

Stacking Fun

Allow your baby to stack the blocks or knock them down. This helps develop gross and fine motor skills.

Use words like 'more', 'less' and "on top" as they see the





Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	דר	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
			_			

Did you know?

What comes after a million, billion and trillion? Why a quadrillion, quintillion, sextillion, sextillion, octillion and nonillion of course.



1-2 years Maths Activity

Opposite Hunt

Gather toys representing opposite pairs. Explain the hunt and demonstrate with one pair.

For example, ask them to find something big and something small, something smooth and something spiky, something hard and something soft, as well as something light and something heavy.





Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					
					_	

Did you know?

No matter how many times you may try, a standard piece of paper can not be folded more than seven times.



1-2 years Maths Activity

Number Songs

Sing songs that feature numbers, like "Five Little Ducks". Use your fingers or toys to visually represent the numbers as you sing along.

You can also create paper props, draw five little ducks and cut them out to enhance the experience!





Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



Did you know?

A prime number is a number divisible only by 1 and itself. All prime numbers are odd numbers apart from... the number 2, which is the only even prime number.

1-2 years Maths Activity

Water Counting Station

Fill a large container with water. Provide various cups, glasses, bowls, jugs and jars. Encourage your child to fill each item of tableware while counting together.

Discuss which tableware holds more or less water, using terms like "full" and "empty." Supervise closely, and enjoy this engaging maths activity!





Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

Did you know?

Markings on animal bones indicate that humans have been doing maths since around 30,000 BC.



2-3 years Maths Activity

Petal Pattern Play

Gather flower petals during a nature walk, Sort the petals by colour or size together. Demonstrate a simple pattern, and encourage your child to continue it.

Then let them create their own patterns using the petals, combining learning about nature with pattern recognition.





Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
	_	0		10	11	12
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Did you know?

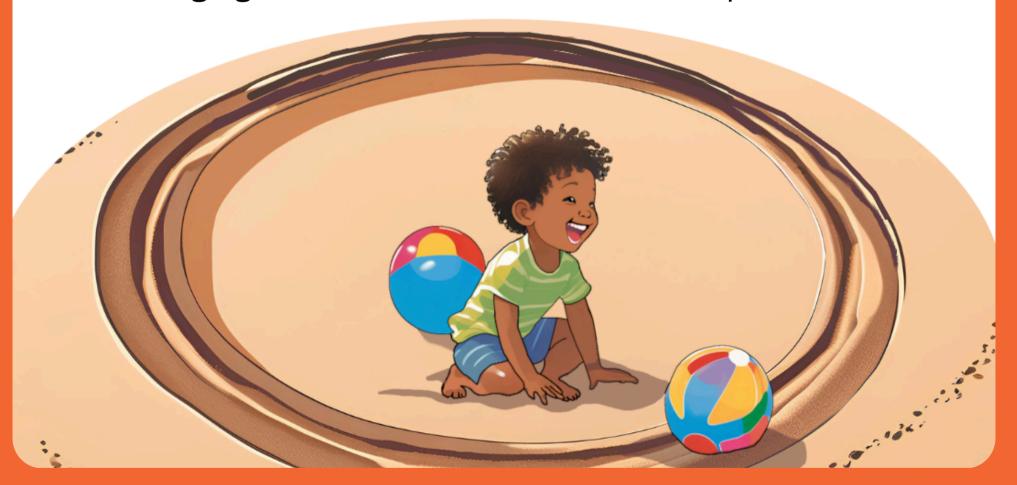
The symbols 0, 1, 2, 3, 4, $\overline{5}$, 6, 7, 8, and 9 used for writing numbers are derived from the Arabic numerals, first learned by Europeans in the 10th century.

2-3 years Maths Activity

Sand Track Ball Race

Create a circular track in the sand. Use different balls to roll around the track, discussing which moves the fastest and why. Count laps together whilst racing to see who rolls their ball around the quickest.

Reflect on your favourite balls and their speeds, encouraging fun mathematics and science exploration!



AUGUST

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Did you know?

The average small beach contains around 781 trillion grains of sand. That's 6000 times greater than the estimated number of human beings who have ever lived during the history of the earth!



2-3 years Maths Activity

Shape Posting Box Activity

Take a piece of cardboard and cut out various shapes (circle, square, triangle) with scissors. Cut out the same shapes from the top and sides of a cardboard box. Encourage your child to post shapes through each slot, identifying and naming them.

Discuss the shapes. For example, how many sides has a triangle or square?



SEPTEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Did you know?

Every written odd number has an "e" in it.



3-4 years Maths Activity

Number Adventure Walk

Take your child on a walking "Number Adventure." Count out loud the things you see; for example steps, flowers and cars. Spot numbers on signs and houses, Ask questions like, "Is the number bigger or smaller than 10?"

After the walk, recap the numbers seen and discuss the biggest number found!



OCTOBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Did you know?

If 23 people are in the same room, there is a 50% chance that two people will have the same birthday.

3-4 years Maths Activity

Heads, Shoulders, Knees, and Toes Activity

Combine movement with counting. Sing "Heads, Shoulders, Knees, and Toes," while children count each body part touched. For example, "1 (head), 2 (shoulders), 3 (knees), 4 (toes)."

Ask questions like "How many body parts did we touch?" or "If we touch each part twice, how many does that make



NOVEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
9	10	וו	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Did you know?

In 1791 the French Academy of Sciences invented the metric system. The metre was calculated to be 1/10,000,000 of the distance between the North Pole and the equator.



3-4 years Maths Activity

Maths-Focused Baking Activity

Learn measurements and basic maths as you bake.

While measuring ingredients ask questions like,

"If we add four 1/2 cups, how many whole cups is that?"

When mixing discuss what would happen if you doubled the recipe.

When transferring to the pan talk about shapes,

"How many sides does our square pan have?"

Ask your child to help you cut the cake so that everyone has a slice of the same size.



DECEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Did you know?

Pi - or π - (approximately 3.141592) is used for measuring circles... and the length of Christmas tree lights you need. Multiply the height of your tree, in centimetres, by π to reveal the best length.



With thanks to:

Georgina Poullais - Outreach, Aldgate School Isabelle Denniee - Lead Early Years Advisor, City of London, Hannah Dobbins - Strategy Officer, City of London Parents and children at Shoe Lane Library Sona Kalenderian and the team at Shoe Lane Library Isobel Hood - Education Officer, City Bridge Foundation Wynne and Child - City Parent Charity and Child - City Parent Claire and Mary Rose - Barbican Playgroup Natalia Bohum - New Park Childcare Janet Macgregor, Shaney Selwyn and Chloe Bromley - Smithfield House Nursery Danielle Trollope - St Pauls Cathedral School Ali Ali - Hatching Dragons City Child at Bright Horizons Charterhouse School Goldman Sachs Nursery

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Parents and Staff at Artizan Library
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Don't forget to visit your local library where you can borrow books for free and take part in rhyme and story times.

