



Gattegno Charts

Gattegno charts, also known as 'place value' or 'tens charts', are fantastic tools to help children understand our base 10 number system.

Activities for the Gattegno Charts

- Count up from 1 - 9, 10 - 90, 100 - 900 pointing to each number.
- Point to any number as a starting point and count forwards and backwards.
- Point to two or 3 numbers on the chart and get children to say them in order e.g. 600 and 3 or 2000, 500 and 40. You might need to explain how we say 'and' before the last number.
- Say a number for children to point to on their charts using both hands and two fingers, e.g. 25, 690
- On the smaller chart, play a game of Bingtegno! Give children counters to cover the numbers. Read a series of numbers. Each time a number is read, children must cover it with their counters. When the teacher says 'Bingtegno', children stop adding counters and must make the largest number possible from the numbers not covered up. They might win a sticker or points for identifying the correct number!

For example, the sequence might be

4981, 1752, 505, 3090, 9137, 6263, 8005, 419

In which case the highest possible number left to make would be - 7878

- Make journeys on the chart. Ask children to point to a given starting number e.g. 4, then give instructions, such as multiply by 100 (400), divide by 10 (40) and add 20 (60).
- Choose a child to give a number journey for the class to follow.
- Tell a story with a number journey:

"One day some giants were having a party. There were 10 of them and they decided they would need 3 cakes each. (Point to 30)

Then the chief giant remembered that some of his cousins would be coming too. "Let's times that number by ten," he said, "Just to be on the safe side." (Point to 300)

"But some of us are on diets," said a slightly smaller giant. I think we need to take 100 away from that number." (Point to 200)

"Nonsense," said a third, "My grandma could eat the whole lot on her own and we'll all want to take some home. I say we multiply it by ten again." (Point to 200)

"Now how many shall I order?"

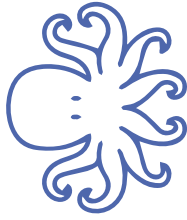
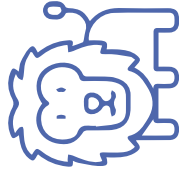
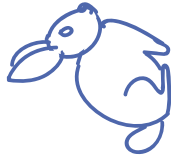


- Draw a Gattegno chart (or part of one) on the playground using chalk.

100	200	300	400	500	600
10	20	30	40	50	60
1	2	3	4	5	6

- Use for a small group activity. Two or three children to stand one number each to make a given 2 or 3 digit number. They then shout out their number in order - "200!" "60!" "3!"
- Children could give instructions for one person to get from one number on the chart to another.

Gattegno Chart



1000	2000	3000	4000	5000	6000	7000	8000	9000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9

Gattegno Chart



1,000,000	2,000,000	3,000,000	4,000,000	5,000,000	6,000,000	7,000,000	8,000,000	9,000,000
100,000	200,000	300,000	400,000	500,000	600,000	700,000	800,000	900,000
10,000	20,000	30,000	40,000	50,000	60,000	70,000	80,000	90,000
1000	2000	3000	4000	5000	6000	7000	8000	9000
100	200	300	400	500	600	700	800	900
10	20	30	40	50	60	70	80	90
1	2	3	4	5	6	7	8	9
0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009

