

Teaching Place Holders for Numbers using Microsoft PowerPoint

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Technology integration is a key mechanism for augmenting classroom instruction while helping students to learn or Teach Place Holder for Numbers in Maths and communication skills for the digital age. In this tutorial we teach about Place Holders for Numbers in maths using Microsoft PowerPoint.

Parents have the wonderful opportunity and responsibility for nurturing children at home. This nurturing process takes place in several areas of development: physical, emotional, and intellectual. While parents can usually find time to read a story to their children, thereby instilling a love for literature, they are often at a loss as to how to install a love and appreciation for mathematics.

JazzPresentation has built a small learning tutorial in Maths([Click here to download the Presentation](#)) to teach Place Holder for numbers for age group of 4 to 7. In our tutorial the Place Holder for Number is delivered through the Microsoft PowerPoint and taught in a way that makes learning fun. Parents can leverage this tool to teach maths. The curriculum develops conceptual understanding, computational fluency, and problem-solving ability.

All children can become proficient mathematical thinkers when their learning environment is engaging, individualized, and responsive to their developing needs and strategies.

PowerPoint based learning platform helps classroom teachers, schools, and districts effectively differentiate instruction for a broad range of learners by engaging students in meaningful, independent instruction and practice.

An engaging learning environment is what we have built using Microsoft PowerPoint.

Students love playing games and learning. We use the context of a game to create a rich learning environment with interactive manipulatives for hands-on practice and repetitive learning. All Activities appropriately challenged and encouraged to develop conceptual understanding, computational fluency and problem-solving abilities.

Place Holder for Number (Place Value)

The numerical system that we use today is the Hindu-Arabic system and it is based on the concept of place value. Each numeral's value is dependent on its place.

We can express any number using only the digits 0-9. The right hand digit is the number of **units**, the next left the number of **tens**, and the next left the number of **hundreds** and so on.

In our numbering system the **numeral zero** has particular importance as it is used as a "place-holder". For instance the number **204 needs the zero to "hold" the tens place**. If it was not present we would have the number 24, which is quite different.

- It is also important to understand that ten units are equal to one ten and
- ten tens are equal to one hundred etc.,

And below we show a method of teaching this to a child.

Explaining Place Holder for Number to young children

One particularly effective way of teaching place value is through the use of (base-ten) blocks. They visually demonstrate how we can exchange **ten units** for **one ten** and **ten tens** for **one hundred** etc.

	Ten	Hundred									
	1	1	2	3	4	5	6	7	8	9	0
	2	1	2	3	4	5	6	7	8	9	0
	3	1	2	3	4	5	6	7	8	9	0
One	4	1	2	3	4	5	6	7	8	9	0
	5	1	2	3	4	5	6	7	8	9	0
1	6	1	2	3	4	5	6	7	8	9	0
	7	1	2	3	4	5	6	7	8	9	0
	8	1	2	3	4	5	6	7	8	9	0
	9	1	2	3	4	5	6	7	8	9	0
	0	1	2	3	4	5	6	7	8	9	0

We can put ten units together and physically make a "ten". We can then put ten of the "ten" strips together to make a hundred. Of course we can use 1p, 10p, and \$1 coins instead.

However they do rely on being able to understand that the one Dollar coin is equal to ten 10p coins and to one hundred 1p coins, and so it is not quite so clear.

Representing numbers with blocks can then be used to teach addition and subtraction.

Golden Rule for Teaching Maths:

“Whatever you do, make sure your children enjoy it.”

Few Tips

- If they struggle to understand, make mistakes, or get bored: ***you need to keep calm***, make it easier, change the subject, tell them a joke, play football, and go to the park. Kindly ensure you do not get cross or impatient - ***you could put them off maths for life.***
- Explain and Talk about a situation and involve children in the situations in which you use maths in everyday life;
- Introduce and play games involving numbers and/or logic, such as card games, dominoes, darts, draughts, chess etc.;
- Stimulate their thinking at times of boredom, (such as when travelling), with mental activities;
- Always keep in touch with teachers in the school for any specific help which would be useful. Also check the methods they are teaching for any specific content, such as written methods of calculating.

Hope you enjoyed teaching your student or Child about Place Holder for Number in Maths.

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