Place value to 19

Your child will be dealing with place value to 19 over the next few days. This will be done by means of puzzles, games and concrete materials, such as cubes, etc.

Game 1: Four-handed teens (revision)

Work with your child to make the numbers 15–20, as done earlier in the year with the numerals/numbers 10–15. Hold up both hands to make 10 with your fingers. Have your child hold up 1–10 to make the units.

Game 2: Arms up, arms down

Ask your child to stand up and begin counting 1–20. S/he must put his/her arms up in the air when s/he says 1 and put his/her arms down when s/he says 2, etc. until s/he reaches the target number 20.

Game 3: Blast off!

Ask your child to count to 20 beginning at 1. Each time they say a decuple (10, 20, 30, 40, etc.), s/he shouts 'Blast off' and mimics blasting off like a rocket using their hands. For example: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 'Blast off', 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 'Blast off', etc.

Making a ten

Ask your child to place 10 small items from around the house onto a plate/box or into a Ziploc bag. These items can be anything that is of interest to your child, e.g. dinosaurs, toy cars, pasta shapes, fruit, cubes, buttons, shells, etc. Invite your child to say: *I have made one bundle/group of ten*. S/he can place the numeral card 10 beside the bundle.

Variation: Place some lollipop sticks/headless matches/straws/keys/crayons/markers/bottle tops, etc. (up to 19) on the table. Ask your child to use pieces of string or elastic bands to bundle the 10 chosen items together. Invite your child to say: *I have made one bundle/group of ten*. S/he can place the numeral card 10 beside each bundle.

Numbers to 19

As with the variation earlier, place some lollipop sticks/headless matches/straws/keys/crayons/markers/bottle tops on the table. Ask your child to count out 14 of his/her chosen items. Then ask your child to use pieces of string or elastic bands to bundle 10 items together.

Ask questions such as:
- *How many straws are there altogether?*
- *How many straws are in the bundle?*
- *How many loose straws are there? / How many straws are left over? / How many straws are outside the bundle?*

So, 14 is made up of a bundle of 10 straws and 4 loose straws or 14 = 10 + 4. Do this with a range of items using numbers from 10 to 19.

The Ten Frame
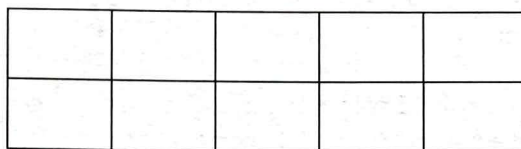
Ten Frame

Revise work done on making a ten using the Ten Frame. A Ten Frame can be easily made on a piece of paper with 10 squares of equal size. Give your child 10 similar items, e.g. cubes/counters/buttons/shells/fridge magnets/conkers, etc. Ask him/her to make a ten in different ways, e.g. 3 red counters and 7 blue counters; 4 yellow and 6 green; 2 orange and 8 purple, etc. Remember the colours are not particularly important! Now use two ten frames to help your child understand how to make tens and units.

1 ten + **3 units** = 13
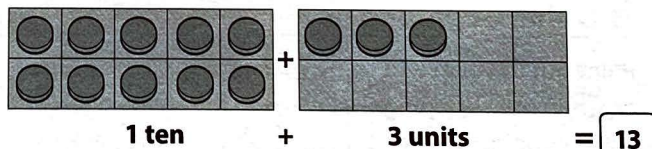
Ask your child to fill the first Ten Frame with 10 cubes/counters, etc. and to place 3 cubes on the other frame.
- *How many cubes are in the first ten frame?*
- *How many cubes are in the second ten frame?*
- *How many cubes are there altogether?*

So, 13 is made up of a group/set of 10 cubes and 3 cubes or 13 = 10 + 3. Do this with other numbers from 10 to 19.

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