

# Numberblocks – Ten

**ABC ME screening details:** Monday 11 May, 2020 at 10:00am

This episode can also be viewed on [ABC iView](#).

**Key learning areas:** Mathematics

**Level:** Foundation and Level One

**About:** Ten turns up to tell the team what it's like to be a perfect ten-block. Learn all about the number 10 with Numberblock Ten!

## Before the episode

1. Go on a '10 hunt' to find different ways of showing 10. You could collect 10 of your toys or draw 10 fingers or toes. Draw 4 ways that you found to show 10.



2. How many ways did you find to show 10?
3. How do you know that you have found collections of 10? Share your thinking with a family member or friend.

## After the episode

1. Did you notice the different ways that Ten organised himself? He showed himself as '5 and 5' and also '2 and 2 and 2 and 2 and 2'.

How many ways can you organise 10 items? Draw and record 3 different ways that you thought about one of your 10 collections.



4. Were you surprised by how many ways that you can organise 10? What other numbers could you do this with? What if you had 20 items? Pick a number, collect your items and draw a way that you could organise your collection.



**Follow-up activity:** Play 'race to 10' with a friend or family member. Roll a dice, collect that number of items. Take turns rolling the dice until one of you reaches 10 items. Try the game by racing to a larger number like 20 or 30!

# Teacher notes

This resource contains self-directed learning activities that students can complete while learning at home or in the classroom. The activities align with the Victorian Curriculum F-10 and can be modified to meet the needs of your students. Teachers could collect student work for feedback and assessment.

## Learning intentions

- To explore different ways to show 10.
- To find different combinations of numbers that equal the same total.
- To explain answers through discussion and pictures.

## Victorian Curriculum content descriptions

	Foundation	Level 1
Number and Algebra	Connect number names, numerals and quantities, including zero, initially up to 10 and then beyond ( <a href="#">VCMNA070</a> )	Represent and solve simple addition and subtraction problems using a range of strategies including counting on, partitioning and rearranging parts ( <a href="#">VCMNA089</a> )

## Victorian Curriculum achievement standards

	Foundation	Level 1
Number and Algebra	Students connect number names to sets. Students use counting strategies to solve problems that involve comparing, combining and separating sets.	Students partition numbers to carry out simple additions and subtractions using counting strategies.

© State of Victoria (Department of Education and Training) 2020



### Attribution-NonCommercial CC BY-NC

This license lets users remix, adapt, and build upon this self-directed learning activity providing they do so non-commercially, attribute the State of Victoria (Department of Education and Training), indicate if changes were made, and comply with the other licence terms at <https://creativecommons.org/licenses/by-nc/4.0/>. The licence does not apply to any images, photographs, trademarks or branding, including the Victorian Government logo and the DET logo; and content supplied by third parties. Every effort has been made to trace any third-party copyright holders, but if any have been inadvertently overlooked, please email [copyright@edumail.vic.gov.au](mailto:copyright@edumail.vic.gov.au)