# Numberblocks – Ten

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

This episode can also be viewed on [ABC iView](https://iview.abc.net.au/show/numberblocks) after the scheduled screening time.

**Key learning areas:** mathematics

**Level:** lower primary

**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.

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1. 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!

# NSW teacher notes

This is an optional standalone resource that could supplement student learning. The activities align with syllabus outcomes across stages and can be modified to meet the needs of your students. Students can complete the activities while learning at home and in the classroom. All activities can be completed without access to the internet or a device. Teachers could collect student work to offer feedback and as evidence of learning.

## 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.

## NSW Mathematics K-10 Syllabus outcomes

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| --- | --- | --- |
|  | Early stage 1 | Stage 1 |
| Addition and subtraction  | combines, separates and compares collections of objects, describes using everyday language, and records using informal methods (MAe-5NA) | uses a range of strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers (MA1-5NA) |
| Working mathematically  | uses concrete materials and/or pictorial representations to support conclusions (MAe-3WM) | supports conclusions by explaining or demonstrating how answers were obtained (MA1-3WM) |

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