

# Week 1 - Package 1 - Kindergarten Mathematics - Counting book

## Things you need

Have these things available so your child can complete these tasks.

| Ideal  | Back up              |
|--|----------------------|
| <b>Information about making a counting book</b><br><a href="#">video</a> |                      |
| <b>1 piece of paper</b>  | A piece of cardboard |
| <b>Zip lock bags</b>   | Plastic sleeves      |
| <b>Stapler</b>   | Sticky tape          |
| <b>A marker</b>  | A pencil             |

## Why is this activity important?

This task is designed to offer your child multiple opportunities to explore important aspects of counting.

## Before you start

- Get all of the resources ready
- Watch the [video](#)
- Then, make the counting book together

## What your child needs to know and do

This task is easily adaptable and your child can bring to it whatever they know about numbers and counting.

## What to do next

Students can also view the videos on their own. Where possible, view the first and last minute with them so you can help them get started.

If you like, you're welcome to sit with your child as they watch the videos. You can talk with them about their thinking. You can also have them work with another person at home.

## Options for your child

| Activity too hard?  | Activity too easy?  |
|---|---|
| <b>Watch video again. Your child may simply need another opportunity to think about these mathematical ideas.</b> | Change the number you explore. For example, Look at 12 or 31. |

## Follow-up questions to ask your child

- You can help you child by:
  - Giving them thinking time
  - Using statements and questions like:
    - Can you tell me more about what you're thinking?
    - That reminds me of what you were thinking about yesterday when you...
    - I wonder if there is another way we could think about that?
    - I think I noticed a pattern...

## Extension/Additional activity

Make pirate cooking together! Yes! Pirate cookies! You can find the recipe here <https://nrich.maths.org/content/id/10668/NrichPirateCookies.pdf>

Here are some tips from NRICH maths about how to talk about food and mathematics with your child <https://nrich.maths.org/10698>

# Week 2 - Package 2 - Kindergarten Mathematics - Counting with understanding

## Things you need

Have these things available so your child can complete these tasks.

| Ideal   | Back up   |
|---|---|
| Information about counting with understanding - <a href="#">Video</a> |   |
| 1 set of number cards (0-12)  | Use sticky notes or Uno cards to make your own number cards |
| Pegs  | Paper clips   |

## Why is this activity important?

Counting involves more than just saying the number words. Children also need to be able to match the words they say when they count to the symbols and the quantity (the amount).

## Before you start

- Get all of the resources ready
- Watch the [video](#)
- Then, count together.

## What your child needs to know and do

This task is easily adaptable and your child can bring to it whatever they know about numbers and counting.

## What to do next

Students can also view the videos on their own. Where possible, view the first and last minute with them so you can help them get started.

If you like, you're welcome to sit with your child as they watch the videos. You can talk with them about their thinking. You can also have them work with another person at home.

## Options for your child

| Activity too hard?  | Activity too easy?  |
|---|---|
| <b>Watch video again. Your child may simply need another opportunity to think about these mathematical ideas. Work with numbers in their range, for example, numbers 1-5.</b> | Change the number you explore. For example, Work with numbers up to 12 or 30 or beyond. |

## Follow-up questions to ask your child

- You can help you child by:
  - Giving them thinking time
  - Using statements and questions like:
    - Can you tell me more about what you're thinking?
    - That reminds me of what you were thinking about yesterday when you...
    - I think I noticed a pattern...

## Extension/Additional activity

Play Snakes and Ladders or another board game you have at home.

# Week 2 - Package 3 - Kindergarten Mathematics - Guess my number

## Things you need

Have these things available so your child can complete these tasks.

| Ideal   | Back up   |
|---|---|
| Information about guess my number - <a href="#">Video</a> |   |
| 1 set of number cards (0-12)                              | Use sticky notes or Uno cards to make your own number cards |
| Blocks (optional)   | Dried pasta   |

## Why is this activity important?

Developing number sense means children can talk about the relationship between numbers. This game helps children think about important relationships like more, less, between, etc.

## Before you start

- Get the resources ready
- Watch the [video](#)
- Play!

## What your child needs to know and do

This task is easily adaptable and your child can bring to it whatever they know about numbers to the task.

# What to do next

Students can also view the videos on their own. Where possible, view the first and last minute with them so you can help them get started.

If you like, you're welcome to sit with your child as they watch the videos. You can talk with them about their thinking. You can also have them work with another person at home.

## Options for your child

| Activity too hard?   | Activity too easy?  |
|--|---|
| <b>Watch video again. Your child may simply need another opportunity to think about these mathematical ideas. Make the numbers you are using. Then, use the collections to help you work out if a number is bigger, smaller, between, etc. Work with numbers in their range, for example, numbers 1-5.</b> | Change the number you explore. For example, Work with numbers up to 12 or 30 or beyond.<br><br>You can also pick a different number range, for example, a number between 30 and 50 for example. |

## Follow-up questions to ask your child

- You can help you child by:
  - Giving them thinking time
  - Using statements and questions like:
    - Can you tell me more about what you're thinking?
    - That reminds me of what you were thinking about yesterday when you...
    - Could we use blocks to help us work this out?

## Extension/Additional activity

Play Snakes and Ladders, or another board game you have at home.

# Week 2 - Package 4 - Kindergarten Mathematics - 10 or bust

## Things you need

Have these things available so your child can complete these tasks.

| Ideal   | Back up   |
|---|---|
| Information about ten or bust - <a href="#">Video</a> |   |
| Paper   |   |
| Markers   | Pencil  |
| 6-dot dice  | Make dice patterns 1-6 on sticky notes. Shuffle them each time to be like rolling a dice. |
| Counters  | Dried pasta   |

## Why is this activity important?

Developing number sense means children can talk about the relationship between numbers. This game helps children think about important relationships to ten.

## Before you start

- Get the resources ready
- Watch the [video](#)
- Play!

## What your child needs to know and do

This task is easily adaptable and your child can bring to it whatever they know about numbers to the task.

## What to do next

Students can also view the videos on their own. Where possible, view the first and last minute with them so you can help them get started.

If you like, you're welcome to sit with your child as they watch the videos. You can talk with them about their thinking. You can also have them work with another person at home.

## Options for your child

| Activity too hard?  | Activity too easy?  |
|---|---|
| <b>Watch the video again. Your child may simply need another opportunity to think about these mathematical ideas. Work with numbers in their range, for example, numbers 1-5.</b> | <p>Change the number you explore. For example, Work with numbers up to 12 or 30 or beyond.</p> <p>Change the number of times you can roll the dice (for example, make it 5 rolls instead of 3).</p> |

## Follow-up questions to ask your child

- You can help you child by:
  - Giving them thinking time
  - Using statements and questions like:
    - Can you tell me more about what you're thinking?
    - What might happen if...?

## Extension/Additional activity

Get crafty and make Long creature adapted from NRICH maths

<https://sites.google.com/education.nsw.gov.au/es1-math-digital-resource-1/long-creatures?authuser=0>



# Week 2 - Package 5 - Kindergarten Mathematics - Let's explore patterns

## Things you need

Have these things available so your child can complete these tasks.

| Ideal   | Back up |
|---|---------|
| Information about patterning - <a href="#">video</a>                                      |         |
| Paper   |         |
| Items to sort (you could use toys, blocks, things in the kitchen, shapes, drawings, etc.) |         |

## Why is this activity important?

Patterning skills are foundational to mathematics.

## Before you start

- Get the resources ready
- Watch the [video](#) without your child – this one is for you!

## What your child needs to know and do

This task is easily adaptable and your child can bring to it whatever they know about numbers to the task.

## What to do next

Where possible, view the video first.

## Options for your child

| Activity too hard?   | Activity too easy?  |
|--|---|
| <p><b>Watch video again. Your child may simply need another opportunity to think about these mathematical ideas.</b></p> <p><b>Start by thinking about things like sorting by colour, size and number.</b></p> | <p>Have your child make repeating patterns using different materials.</p> |

## Follow-up questions to ask your child

- You can help you child by:
  - Giving them thinking time
  - Using statements and questions like:
    - Can you tell me more about what you're thinking?
    - What might happen if...?
    - Let's check to see if...

## Extension/Additional activity

Play Pinch a ten! <https://sites.google.com/education.nsw.gov.au/es1-math-digital-resource-1/pinch-a-ten?authuser=0>