

PARTITIONING: ONE IS A SNAIL TEN IS A CRAB

This activity provides students with an opportunity to partition numbers in different ways. Partitioning is an important concept as it allows numbers to be broken up so that they're easier to work with.

GENERAL INFORMATION

For year level: 2

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Background/Description: This activity provides students with an opportunity to partition numbers in different ways. Partitioning is an important concept as it allows numbers to be broken up so that they're easier to work with. Working with lower number ranges will help students gain confidence and competence to partition numbers so that they will be able to work with larger numbers later.

ONE IS A SNAIL TEN IS A CRAB

This activity is based on the picture story book, **One is a snail, ten is a crab: A counting feet book** Author: April Pulley Sayre and Jeff Sayre Illustrator: Randy Cecil (2004)

The story can be accessed on the following link:

<https://www.youtube.com/watch?v=zDjp7rTXtsk>

Objective: To partition numbers.

Instructions:

- Share the book stopping to record the mathematics on each page. For example: 6 is 3 people, or a dog and a person, or 1 insect.
- How would we write those? 3 people is 3×2 , 1 dog and 1 person is $4 + 2$, 1 insect is 1×6
- Is there any other way we could make 6?

FURTHER INFORMATION

Notes for parents: This activity will support your child in partitioning numbers in different ways as is demonstrated in the book. There are many ways to partition numbers so asking your child if they have a different way might give you some insights into how they're partitioning.

This activity covers the following Australian Curriculum - Mathematics Content:

Year 2:

Group, partition and rearrange collections up to 1000 in hundreds, tens and ones to facilitate more efficient counting (ACMNA028)

This is a modified version of an activity from New Zealand Maths and can be accessed via the following link :

<https://nzmaths.co.nz/resource/one-snail-ten-crab-counting-feet-book>