

# NUMERACY LEARNING PROGRESSION

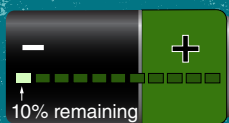
Learning basic skills like reading, writing, spelling, adding and subtracting generally happen in a certain order. On the Australian Curriculum website, the National Literacy and Numeracy Learning Progressions show the order that most children develop these skills.

Use the National Literacy and Numeracy Learning Progressions to see where your child might be up to in their development of a particular skill (like learning to tell the time) and see the next typical step of development.

## How does my child learn to use percentages?

What you may notice about your child

Recognises that they need to charge their tablet as it only has 10% battery life left.



Demonstrates that 100% is a complete whole.

Divides the total cost by 4 to work out the price after a 75% discount.

$$\begin{array}{l} 50\% = 80 \\ \hline 25\% \quad 25\% \\ = 40 \quad = 40 \end{array}$$

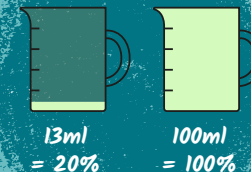
Uses key percentages and their equivalences to calculate a percentage of an amount.

Works out that a test score of 15 out of 20 is 75%.

$$\frac{7}{35} = \frac{1}{5} = 20\%$$

Expresses one quantity as a percentage of another.

Given that 13L fills the tank to 20% capacity, determines the full capacity of the tank to be 65 litres.



Determines the whole given a percentage.

Multiplies by 1.15 to determine the cost of a bill after a 15% public holiday surcharge has been added.

$$\begin{array}{l} 100\% + 15\% \\ = 115\% \\ 115\% = 1.15 \end{array}$$

Uses percentage increases or decreases as an operator.

National Literacy and Numeracy Learning Progressions

How your child learns about percentages

YEAR 6

YEAR 7

YEAR 8