# Titch And Ted Do Maths – Fractions

**ABC ME screening details: Monday** 4 May, 2020 at 10:45am

This episode can also be viewed on [ABC iView](https://iview.abc.net.au/show/titch-and-ted-do-maths)

**Key learning areas: m**athematics

**Level:** upper primary

**About:** Titch and Ted complete a series of odd jobs, learning all about fractions as they go.

## Before the episode

1. Go on a fraction hunt at home. How many quarters can you find in your house? Record your discoveries.

## After the episode

1. Make and play the colour in fractions game below. If you would like to view the game being played you can watch it [here](https://sites.google.com/education.nsw.gov.au/s3-math-digitalresource-1/colour-in-fractions) (internet access required).

## Colour in fractions game

You will need to make two sets of different coloured cards like the ones shown below. The blue cards will tell you how many equal parts:



The pink cards will tell you the size of the parts:



**Instructions**

* Turn the cards face down. Turn a card over from each colour to make a fraction.
* Then colour an equivalent of the fraction made on the fraction wall on the next page (for example 2 quarters is equivalent to 1 half).
* Choose a new colour for each go.
* Record what you turned over and what you coloured in the table below the fraction wall.

Fraction wall



| What I turned over  | What I coloured |  | What I turned over  | What I coloured |
| --- | --- | --- | --- | --- |
| 4 eights $\frac{4}{8}$ | 1 half $\frac{1}{2}$ |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
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|  |  |  |  |  |

(Adapted from: D. Clarke and A. Roche, Engaging Maths: 25 Favourite Maths Lessons, 2014)

**Follow-up activity:** Make your own fraction wall by folding coloured strips of paper.

# 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 model, compare and represent fractions

## NSW Mathematics K-10 Syllabus outcomes

|  |  |  |
| --- | --- | --- |
|  | Stage 2 | Stage 3 |
| Working mathematically | uses appropriate terminology to describe, and symbols to represent, mathematical ideas (MA2-1WM) | describes and represents mathematical situations in a variety of ways using mathematical terminology and some conventions (MA3-1WM) |
| Fractions and decimals | represents, models and compares commonly used fractions and decimals (MA2-7NA) | compares, orders and calculates with fractions, decimals and percentages (MA3-7NA) |

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