 Dicey fractions

You need**two**dice*.* Roll the dice. The number on the first one will represent the number of parts (your numerator) and the number on the second one will be the size of each part (your denominator). Complete the table below for several fractions, drawing an appropriate representation of the fraction as well as finding some equivalent fractions.

| **1st dice** | 2nd dice  | Fraction &/or mixed numeral  | Representation  | Words | Equivalent fraction/s |
| --- | --- | --- | --- | --- | --- |
|   3 |   4 |  $\frac{3}{4}$ | An image of 3 quarters | three quarters |     $\frac{6}{8}$,   $\frac{75}{100}$, … |
|   4 |   3 | $\frac{4}{3}$ or  $1\frac{1}{3}$ | An image of 4 thirds | four thirds or one and one third |     $\frac{8}{6}$,   $\frac{24}{18}$, … |
|    |    |    |    |  |    |
|    |    |    |    |  |    |
|    |    |    |    |  |    |
|    |    |    |    |  |    |
|    |    |    |    |  |    |
|    |    |    |    |  |    |
|    |    |    |    |  |    |

Outcome

Operates with fractions, decimals and percentages MA4‑5NA

Content

Compare fractions using equivalence; locate and represent positive and negative fractions and mixed numerals on a number line (ACMNA152)

* generate equivalent fractions
* write a fraction in its simplest form
* express improper fractions as mixed numerals and vice versa

All outcomes referred to in this unit come from [Mathematics K-10 Syllabus](https://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/mathematics/mathematics-k-10) © NSW Education Standards Authority (NESA) for and on behalf of the Crown in right of the State of New South Wales, 2012