



067 Playing with fractions

Identifying and representing fractions with denominators of 2, 3 or 4

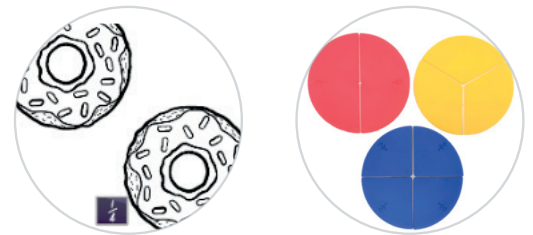
Introducing the session

Start by showing how useful fractions are with familiar examples and using the Miniland fractions game as support material. For example, when we eat cake, do we eat it whole or do we eat part of it? How could we express that in numbers? Then go on to explain that fractions are made up of two parts separated by a horizontal line, with the numerator above the line and the denominator below the line. The job of the denominator is to show the total number of parts in a whole and the numerator is responsible for showing the parts you take. The parts into which you divide the cake are the denominator and the part or parts you eat are the numerator.

Game with Miniland products

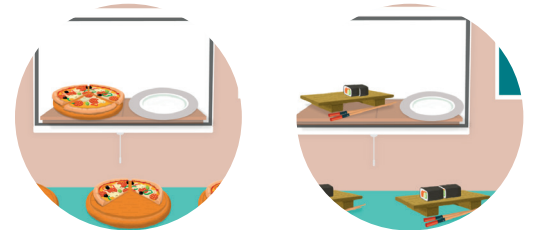
Each printable educational worksheet is composed of three fractions and three round foods (pizza, doughnut and cheese). To begin playing, just place the Miniland shapes on top of each food featured on the printable worksheet.

But be careful! Remember that if the denominator is two, you have to choose the red shape that's divided into two parts (for three, pick the yellow shape and for four, the blue). When the shape has been placed, pick up as many pieces as the numerator of the fraction shows (for example, for 1/4 you take one piece). Next, colour the space left visible and that corresponds to the piece or pieces you picked up. Finally, pick up all the pieces to check that the fraction has been represented correctly.



Digital game

To reinforce the content, we recommend going on to play the digital game. Children will be able to associate fractions with their graphic representation in a very visual and intuitive way. They will have to look at the fraction on the right and choose from several answer options (located at the bottom of the screen). Then they have to select the image that corresponds to the proposed fraction (numerator).



Educational content

Matemáticas

- Numeracy: fractions.
- Numeric calculation (adding and subtracting).

Language

- Mathematical vocabulary.

Art education

- Artistic expression. Colour.

ICT

- Using the digital environment.



Compatible Miniland material

- Ref. 95218 Fraction set

Multilingual education

Vocabulary and verbal expression.



Age
6-7 years.



Theme
Logic and mathematics