



## Equivalent Fractions

### Purpose:

To help your child to practice finding equivalent fractions for numbers up to 100

### What you need to know:

Numerator is the top number

Denominator is the bottom number

Equivalent means – is the same as

### What you need:

Game cards

### What to do:

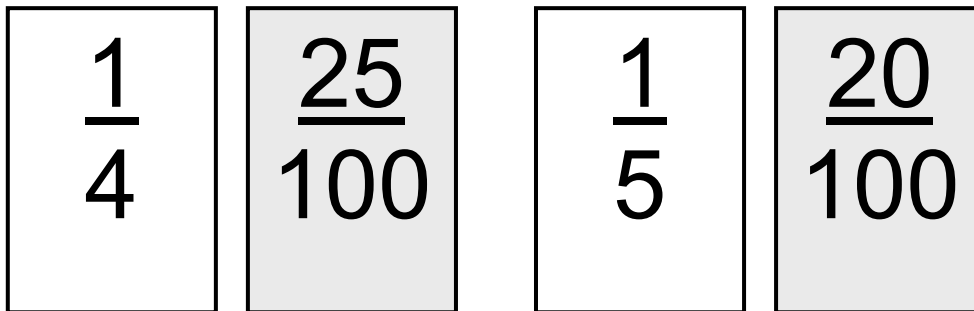
Make some game cards. Print off the cards and cut them out or make your own.

Spread out the cards in two groups face up.

Ask your child to find the  $\frac{1}{2}$  card from one group and match it with an equivalent fraction card from the other group.

- Which fraction is the same as  $\frac{1}{2}$  ?
- Look for a fraction has a numerator half the size as the denominator

Find pairs for the quarters, then the fifths and tenths.



### What to expect your child to do:

To be able to find equivalent fractions for thirds, quarters, fifths and tenths by looking at the relationship between the numerator and denominator.

### Variations:

- Write equivalent fractions for quarters, fifths and tenths over a denominator of 100.  
For example  $\frac{1}{4} = \frac{25}{100}$
- Write equivalent fractions for quarters, fifths and tenths over a denominator of 1000.
- Write equivalent fractions for thirds, quarters, fifths and tenths over a denominator of 60.

### He Kupu Māori:

half	haurua
third	hautoru
quarter	hauwhā
one half	kotahi haurua
two thirds	rua hautoru
three quarters	toru hauwhā
fraction	hautau

**He Whakawhitinga Kōrero:**

- Kimihia te hautau e ōrite ana ki te kotahi haurua. *(Look for the fraction equivalent to one half.)*
- Kia haurua te rahi o te taurunga, i te rahi o te tauraro. *(The numerator is half the size of the denominator.)*
- E hia ngā haurau e ōrite ana ki te kotahi hauwhā? *(How many hundredths are equal to one quarter?)*
- Tuhia te haumano e ōrite ana ki te toru hauwhā. *(Write the thousandths equivalent to three quarters.)*

Game cards for Equivalent Fractions Group 1

$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	$\frac{1}{3}$	$\frac{2}{3}$
$\frac{1}{5}$	$\frac{2}{5}$	$\frac{3}{5}$	$\frac{4}{5}$	$\frac{1}{10}$
$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$
$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{1}{2}$	

Game cards for Equivalent Fractions Group 2

$\frac{25}{100}$	$\frac{30}{60}$	$\frac{45}{60}$	$\frac{20}{60}$	$\frac{60}{90}$
$\frac{20}{100}$	$\frac{20}{50}$	$\frac{15}{25}$	$\frac{16}{20}$	$\frac{3}{30}$
$\frac{8}{40}$	$\frac{21}{70}$	$\frac{8}{20}$	$\frac{15}{30}$	$\frac{24}{40}$
$\frac{35}{50}$	$\frac{8}{10}$	$\frac{45}{50}$	$\frac{35}{70}$	