



## Fraction, Decimals, Percentages Dominoes

### Purpose:

You can help your child to recall the fraction, decimal and percentage conversions.

### What you need:

Set of Domino Cards. You can print these or make your own.

### What to do:

Cut out the 16 domino cards.

Deal three domino cards to each player. Place one domino face up between the two players and the remaining cards in a pile face down. Players take turns to match their domino cards to the cards in the middle.

For example:

		50%	3/4	0.75	40%		
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The  $\frac{3}{4}$  and 0.75 are equivalent. The next player can now match to either the 50% or the 40%. If a player does not have a domino to add to the line they pick up from the face down pile. The winner is the first player to use all their domino cards.

### What to expect your child to do:

To recall the fraction, decimal and percentage conversions.

### Variation:

- Children can take all the cards and arrange them so the ends match to form one continuous line.
- Use the dominoes to call out fractions, decimals and percentages for your children to call out an equivalent conversion.

### He Kupu Māori:

kāri tātai tau	domino card
tau hono takirua	number pair
ōrau	percent
hautau	fraction (common)
tau ā-ira	decimal
hautanga	fraction (including decimal fractions and percents)

## He Whakawhitinga Kōrero:

- Riwhiriwhia ngā kāri. (*Shuffle the cards.*)
- Tohaina kia toru ngā kāri ki ia tangata. (*Deal out 3 cards to each person.*)
- Whakatakotoria tētahi kāri ki waenganui i a tātou, mata ki runga. (*Put down one of the cards face up in the middle.*)
- Whakaputua ērā atu o ngā kāri ko ngā mata ki raro. (*Lay the other cards face down in a pile.*)
- Māu e tīmata. Āta tirohia ō kāri tātai tau. Kei a koe tētahi hautau, ōrau, tau ā-ira rānei, he ōrite ki ērā i te kāri e takoto mai ana? (*You start. Do you have a fraction, a percentage, or a decimal which is the same as those on the card laying here?*)
- Whakatakotoria tēnā kāri ki te taha, kia piritata ngā hautanga ōrite. (*Lay that card down so that the equal fractions are next to each other.*)
- Kei ahau ināianei. Kāore i ahau tētahi hautanga ōrite. Māku e tango tētahi anō kāri tātai tau. (*My turn now. I don't have an equivalent fraction. I'll pick up another domino.*)
- Tangohia tētahi anō kāri i te putunga kāri tātai tau. (*Pick up another card from the pile of domino cards.*)
- Ko te tangata tuatahi kia pau katoa ana kāri, ko ia te toa. (*The first person to use all their cards is the winner.*)

### Domino Cards

50%	$3/4$	0.75	40%	$2/5$	10%	0.1	$1/4$
25%	0.3	$3/10$	0.9	90%	$1/3$	33.3%	$3/5$
0.6	$7/10$	0.7	$1/1$	100%	$1/8$	12.5%	$1/5$
20%	$2/3$	66.6%	$4/5$	0.8	1.1	110%	$2/4$