

# Maths Home Support Resources

If you've ever wondered how you can help your child with their maths – this is it! On the pages that follow you will find web links you can use with your child to help them practise their Numeracy knowledge set out under the key knowledge headings for their stage. (NB: Mathletics also provides relevant practice.)

You can further support your child's success in achieving their Math stage goals by:

- \* being positive and enthusiastic about mathematics yourself;
- \* asking questions about what your child is doing in Maths;
- \* getting your child to show you how to solve Maths problems;
- \* showing your child how you solve Maths problems;
- \* valuing their ideas especially if they differ from yours;
- \* encouraging and praising their efforts;
- \* Learning maths together and having FUN!

Information about the 'Mathematics Passport' please talk to your child's teacher or check out the:

[NZ Maths website - 'Families' section.](#)

# Math Stage 0

Below are some web links to help your child practice the Stage 0 knowledge required to pass their Numeracy Passport.

## Online Activities

Identify all the numbers from 0 – 10

<http://www.primarygames.com/Number Game/question 1.htm>

[http://www.bbc.co.uk/schools/numbertime/games/find\\_the.shtml](http://www.bbc.co.uk/schools/numbertime/games/find_the.shtml)

[http://www.sesamestreet.org/media/game\\_36cd4b81-163e-11dd-98c7-b9f43dcf5330](http://www.sesamestreet.org/media/game_36cd4b81-163e-11dd-98c7-b9f43dcf5330)

<http://www.maths-games.org/number-word-memory-1-6.html>

[http://www.ictgames.com/caterpillar\\_slider.html](http://www.ictgames.com/caterpillar_slider.html)

<http://www.ictgames.com/newduckshoot.html>

Count forwards and backwards from 0 - 10

<http://www.bbc.co.uk/cbeebies/-/lb/tikkabilla/tambasabacus>

<http://www.abc.net.au/countusin/games/game7.htm>

<http://www.abc.net.au/countusin/games/game3.htm>

Say the number after numbers 0 - 10

<http://www.primarygames.com/math/fishycount/>

[http://www.ictgames.com/nutty\\_v3.html](http://www.ictgames.com/nutty_v3.html)

Say the number before numbers 0 - 10

[http://www.aaastudy.com/k5g\\_cox1.htm - section2](http://www.aaastudy.com/k5g_cox1.htm - section2)

Order numbers from 0 - 10

<http://www.mathsisfun.com/numbers/ordering-game.php>

Instantly recognises patterns to five

<http://www.abc.net.au/countusin/games/game5.htm>

<http://www.nzmaths.co.nz/node/1879>

# Numeracy Passport

# Stages 1 - 2

Below are some web links to help your child practice the Stages 1 -2 knowledge required to pass their Numeracy Passport.

Online Activities

Identify all the numbers from 0 - 20

<http://ww35.juliasrainbowcorner.com/html/1to20.html>

[https://www.youtube.com/watch?v=3eMUryruYzk&feature=player\\_embeddedhttps://www.youtube.com/watch?v=g9EgE\\_JtEAw](https://www.youtube.com/watch?v=3eMUryruYzk&feature=player_embeddedhttps://www.youtube.com/watch?v=g9EgE_JtEAw)

<http://www.crickweb.co.uk/ks1numeracy.html>

Count forwards and backwards from 0 - 20

<http://www.ictgames.com/whackAMole/index.html>

Say the number before and after numbers 0 - 2

<http://www.ixl.com/math/kindergarten/before-after-and-between-up-to-20>

[http://www.ictgames.com/nutty\\_v3.html](http://www.ictgames.com/nutty_v3.html)

<http://home.disney.com.au/disneyjunior/>

Order numbers from 0 - 20

<http://www.mathsisfun.com/numbers/ordering-game.php>

<http://www.crickweb.co.uk/ks2numeracy-properties-and-ordering.html> - ntrack

Know groupings within 5 (eg 2 + 3)

<http://www.amblesideprimary.com/ambleweb/mentalmaths/numberbond.html>

<http://www.nzmaths.co.nz/node/1879>

<http://nz.ixl.com/math/year-1/addition-with-pictures-sums-up-to-5>

<http://nz.ixl.com/math/year-1/add-two-numbers-sums-up-to-5>

Instantly recalls Addition and Subtraction facts to five

<http://nz.ixl.com/math/year-1/subtract-with-pictures-numbers-up-to-5>

<http://nz.ixl.com/math/year-1/subtraction-numbers-up-to-5>

[http://www.nzmaths.co.nz/content/bean-addition?parent\\_node=](http://www.nzmaths.co.nz/content/bean-addition?parent_node=)

[http://www.nzmaths.co.nz/content/make-5?parent\\_node=](http://www.nzmaths.co.nz/content/make-5?parent_node=)

<http://www.nzmaths.co.nz/node/1878>

Uses pictures and diagrams to show results of counting sets

## Numeracy Passport

# Stages 2 - 3

Below are some web links to help your child practice the Stages 2 - 3 knowledge required to pass their Numeracy Passport.

Online Activities

Skip counts forwards and backwards in 2s and 5s, 0 - 20

<http://members.learningplanet.com/act/count/free.asp>

[http://www.ictgames.com/fairyfog2s\\_v2.html](http://www.ictgames.com/fairyfog2s_v2.html)

[http://www.ictgames.com/fairyfog5s\\_v2.html](http://www.ictgames.com/fairyfog5s_v2.html)

[http://www.nzmaths.co.nz/content/skip-counting-20?parent\\_node=](http://www.nzmaths.co.nz/content/skip-counting-20?parent_node=)

Know groupings with 5 (eg.  $5 + 1$ )

<http://www.amblesideprimary.com/ambleweb/mentalmaths/numberbond.html>

[http://www.nzmaths.co.nz/content/5-plus?parent\\_node=](http://www.nzmaths.co.nz/content/5-plus?parent_node=)

[http://www.ictgames.com/save the whale v4.html](http://www.ictgames.com/save_the_whale_v4.html)

Know groupings within 10 (eg.  $5 + 5$ ,  $6 + 4$ )

<http://www.ictgames.com/beaver.html>

[http://www.nzmaths.co.nz/content/skittles?parent\\_node=](http://www.nzmaths.co.nz/content/skittles?parent_node=)

[http://www.nzmaths.co.nz/content/facts-10-memory-and-flash-cards?parent\\_node=](http://www.nzmaths.co.nz/content/facts-10-memory-and-flash-cards?parent_node=)

[http://www.nzmaths.co.nz/content/make-10?parent\\_node=](http://www.nzmaths.co.nz/content/make-10?parent_node=)

<http://www.nzmaths.co.nz/node/1878>

[http://www.nzmaths.co.nz/content/groupings-10?parent\\_node=](http://www.nzmaths.co.nz/content/groupings-10?parent_node=)

[http://www.nzmaths.co.nz/content/pairs-10?parent\\_node=](http://www.nzmaths.co.nz/content/pairs-10?parent_node=)

[http://www.nzmaths.co.nz/content/patterns-10?parent\\_node=](http://www.nzmaths.co.nz/content/patterns-10?parent_node=)

Instantly recognises doubles to ten

[http://www.nzmaths.co.nz/content/doubles-10?parent\\_node=](http://www.nzmaths.co.nz/content/doubles-10?parent_node=)

Instantly recognises 5-based patterns to ten

<http://www.nzmaths.co.nz/node/1879>

Instantly recalls doubles to ten

[http://www.nzmaths.co.nz/content/doubles-10?parent\\_node=](http://www.nzmaths.co.nz/content/doubles-10?parent_node=)

Can write equations using numerals and symbols

## Numeracy Passport

# Stage 4

Below are some web links to help your child practice the Stage 4 knowledge required to pass their Numeracy Passport.

## Online Activities

Read any number from 0 - 100

[https://www.youtube.com/watch?v=sijJVm\\_NhsI&feature=related](https://www.youtube.com/watch?v=sijJVm_NhsI&feature=related)  
[http://www.nzmaths.co.nz/content/letter-box-maths?parent\\_node=](http://www.nzmaths.co.nz/content/letter-box-maths?parent_node=)  
<http://www.ictgames.com/octopus.html>  
<http://www.oswego.org/ocsd-web/games/SplatSquares/splat99.html>  
<http://www.funbrain.com/cgi-bin/gn.cgi?A1=s&A2=100&A3=1>  
<http://www.free-training-tutorial.com/place-value/cars.html>  
<http://www.nzmaths.co.nz/node/1807>  
[http://www.nzmaths.co.nz/content/count-along-100?parent\\_node=](http://www.nzmaths.co.nz/content/count-along-100?parent_node=)

Order numbers in the range of 0 - 100

<http://www.nzmaths.co.nz/node/1811>  
[http://www.nzmaths.co.nz/content/which-way-around?parent\\_node=](http://www.nzmaths.co.nz/content/which-way-around?parent_node=)  
[http://www.nzmaths.co.nz/content/ordering-100?parent\\_node=](http://www.nzmaths.co.nz/content/ordering-100?parent_node=)  
[http://www.nzmaths.co.nz/content/greatest-number-100?parent\\_node=](http://www.nzmaths.co.nz/content/greatest-number-100?parent_node=)  
[http://www.nzmaths.co.nz/content/ordering-numbers-0-100?parent\\_node=](http://www.nzmaths.co.nz/content/ordering-numbers-0-100?parent_node=)  
[http://www.nzmaths.co.nz/content/ordering-0-100?parent\\_node=](http://www.nzmaths.co.nz/content/ordering-0-100?parent_node=)

Say the number before and after 0 - 100

<http://www.ictgames.com/100huntplus10.html>  
<http://www.ictgames.com/100huntminus10.html>  
<http://www.ictgames.com/football2.html>  
[http://www.nzmaths.co.nz/content/and-after-1-100?parent\\_node=](http://www.nzmaths.co.nz/content/and-after-1-100?parent_node=)

Count forward and backward numbers from 0 – 100

<http://www.nzmaths.co.nz/node/1809>  
[http://www.ictgames.com/fairyfog10s\\_v2.html](http://www.ictgames.com/fairyfog10s_v2.html)  
<http://www.ictgames.com/newduckshoot10s.html>

Skip forwards and backwards counts form 0 - 100 in 2s, 5s and 10s

<http://www.oswego.org/ocsd-web/games/spookyseq/spooky2.html>  
<http://www.oswego.org/ocsd-web/games/spookyseq/spooky5.html>  
<http://www.oswego.org/ocsd-web/games/spookyseq/spooky10.html>  
<http://www.ictgames.com/saucerSorter.html>  
[http://www.nzmaths.co.nz/content/skip-counting?parent\\_node=](http://www.nzmaths.co.nz/content/skip-counting?parent_node=)  
[http://www.nzmaths.co.nz/content/super-sequencer?parent\\_node=](http://www.nzmaths.co.nz/content/super-sequencer?parent_node=)  
[http://www.nzmaths.co.nz/content/crazy-twos?parent\\_node=](http://www.nzmaths.co.nz/content/crazy-twos?parent_node=)  
[http://www.nzmaths.co.nz/content/skip-counting-2s-and-5s?parent\\_node=](http://www.nzmaths.co.nz/content/skip-counting-2s-and-5s?parent_node=)

Know groupings with 10 (eg. 10 + 2)

[http://www.nzmaths.co.nz/content/ten-and-facts?parent\\_node=](http://www.nzmaths.co.nz/content/ten-and-facts?parent_node=)  
[http://www.nzmaths.co.nz/content/teen-facts?parent\\_node=](http://www.nzmaths.co.nz/content/teen-facts?parent_node=)  
[http://www.helpingwithmath.com/resources/games/drag\\_add\\_to20/AddingToTwenty.html](http://www.helpingwithmath.com/resources/games/drag_add_to20/AddingToTwenty.html)

Know groupings within 20 (eg. 14 + 6)

[http://www.wmnet.org.uk/resources/gordon/Hit the button v9.swf](http://www.wmnet.org.uk/resources/gordon/Hit%20the%20button%20v9.swf)  
[http://www.nzmaths.co.nz/content/pairs-20?parent\\_node=](http://www.nzmaths.co.nz/content/pairs-20?parent_node=)  
[http://www.nzmaths.co.nz/content/pairs-20-test-yourself?parent\\_node=](http://www.nzmaths.co.nz/content/pairs-20-test-yourself?parent_node=)  
[http://www.nzmaths.co.nz/content/groupings-20?parent\\_node=](http://www.nzmaths.co.nz/content/groupings-20?parent_node=)  
[http://www.ictgames.com/sharkNumbers/sharkNumbers v5.html](http://www.ictgames.com/sharkNumbers/sharkNumbers_v5.html)  
<http://www.ictgames.com/sharknumbers.html>

Know the number of tens in decades

<http://www.ictgames.com/LIFEGUARDS.html>  
[http://www.nzmaths.co.nz/content/tens-tens?parent\\_node=](http://www.nzmaths.co.nz/content/tens-tens?parent_node=)  
[http://www.nzmaths.co.nz/content/decades?parent\\_node=](http://www.nzmaths.co.nz/content/decades?parent_node=)  
<http://www.ictgames.com/robindoubles.html>

Know doubles to 20 and the corresponding halves

[http://www.nzmaths.co.nz/content/doubles-and-halves-memory?parent\\_node=](http://www.nzmaths.co.nz/content/doubles-and-halves-memory?parent_node=)  
[http://www.nzmaths.co.nz/content/snap?parent\\_node=](http://www.nzmaths.co.nz/content/snap?parent_node=)  
[http://www.nzmaths.co.nz/content/memory-doubles?parent\\_node=](http://www.nzmaths.co.nz/content/memory-doubles?parent_node=)

Know "ten and ...." facts

[http://www.nzmaths.co.nz/content/ten-and-facts?parent\\_node=](http://www.nzmaths.co.nz/content/ten-and-facts?parent_node=)  
[http://www.nzmaths.co.nz/content/teen-facts?parent\\_node=](http://www.nzmaths.co.nz/content/teen-facts?parent_node=)  
[http://www.nzmaths.co.nz/content/test-toad?parent\\_node=](http://www.nzmaths.co.nz/content/test-toad?parent_node=)  
[http://www.nzmaths.co.nz/content/add-dice?parent\\_node=](http://www.nzmaths.co.nz/content/add-dice?parent_node=)

Know addition and subtraction facts to 10

[http://www.nzmaths.co.nz/content/addition-and-subtraction-10-quick-recall?parent\\_node=](http://www.nzmaths.co.nz/content/addition-and-subtraction-10-quick-recall?parent_node=)  
[http://www.nzmaths.co.nz/content/rock-scissors-paper?parent\\_node=](http://www.nzmaths.co.nz/content/rock-scissors-paper?parent_node=)  
[http://www.nzmaths.co.nz/content/subtraction-facts-10?parent\\_node=](http://www.nzmaths.co.nz/content/subtraction-facts-10?parent_node=)  
<http://www.oswego.org/ocsd-web/games/Mathmagician/mathsadd.html>  
<http://www.oswego.org/ocsd-web/games/Mathmagician/mathssub.html>

Know multiples of 10 that add to 100

[http://www.nzmaths.co.nz/content/10s-pairs-100?parent\\_node=](http://www.nzmaths.co.nz/content/10s-pairs-100?parent_node=)  
[http://www.nzmaths.co.nz/content/adding-multiples-10?parent\\_node=](http://www.nzmaths.co.nz/content/adding-multiples-10?parent_node=)  
<http://www.nzmaths.co.nz/node/1898>

Identify symbols for halves, quarters, thirds and fifths

<http://www.sheppardsoftware.com/mathgames/fractions/fracTut1.htm>

<http://resources.oswego.org/games/fractionflags/fractionflags.html>

<http://resources.oswego.org/games/fractionflags/ffthirds.html>

Can use equations to show the result of mental calculations

<http://www.oswego.org/ocsd-web/games/SumSense/sumadd.html>

# **Numeracy Passport**

# Stage 5

Below are some web links to help your child practice the Stage 5 knowledge required to pass their Numeracy Passport.

## Online Activities

Identify all the numbers from 0 - 1000

[http://www.nzmaths.co.nz/content/reading-numbers-1000?parent\\_node=](http://www.nzmaths.co.nz/content/reading-numbers-1000?parent_node=)

[http://www.nzmaths.co.nz/content/license-plates-1?parent\\_node=](http://www.nzmaths.co.nz/content/license-plates-1?parent_node=)

[http://www.nzmaths.co.nz/content/place-value-hundreds?parent\\_node=](http://www.nzmaths.co.nz/content/place-value-hundreds?parent_node=)

<http://www.mathsisfun.com/numbers/ordering-game.php>

<http://www.nzmaths.co.nz/node/1818>

Order numbers in the range of 0 - 1000

[http://www.nzmaths.co.nz/content/ordering-licence-plates?parent\\_node=](http://www.nzmaths.co.nz/content/ordering-licence-plates?parent_node=)

[http://www.nzmaths.co.nz/content/fill-gaps?parent\\_node=](http://www.nzmaths.co.nz/content/fill-gaps?parent_node=)

[http://www.nzmaths.co.nz/content/place-value-thousands?parent\\_node=](http://www.nzmaths.co.nz/content/place-value-thousands?parent_node=)

<http://www.nzmaths.co.nz/node/1820>

Say the number 1, 10, 100 before and after any number from 0 - 1000

<http://www.nzmaths.co.nz/node/1821>

[http://www.nzmaths.co.nz/content/and-after-hundreds-numbers?parent\\_node=](http://www.nzmaths.co.nz/content/and-after-hundreds-numbers?parent_node=)

[http://www.nzmaths.co.nz/content/1-10-and-100-and-after?parent\\_node=](http://www.nzmaths.co.nz/content/1-10-and-100-and-after?parent_node=)

<http://www.nzmaths.co.nz/node/1846>

Skip counts forwards and backwards in 2s, 3s, 5s, and 10s, from 0 - 1000

[http://www.ictgames.com/fairyfog3s\\_v2.html](http://www.ictgames.com/fairyfog3s_v2.html)

[http://www.ictgames.com/fairyfog10s\\_v2.html](http://www.ictgames.com/fairyfog10s_v2.html)

[http://www.bgfl.org/bgfl/custom/resources\\_fcp/client\\_fcp/ks2/maths/bead/questions/q5.htm](http://www.bgfl.org/bgfl/custom/resources_fcp/client_fcp/ks2/maths/bead/questions/q5.htm)

Know groupings of 10 in three digit numbers

<http://www.toonuniversity.com/flash.asp?err=496&engine=9>

<http://www.conkermaths.org/cmweb.nsf/products/numberbondpairs.html>

<http://www.nzmaths.co.nz/node/1897>

<http://www.amblesideprimary.com/ambleweb/mentalmaths/numberbond.html>

Know groupings within 100

[http://www.nzmaths.co.nz/content/dominoes-pairs-within-100?parent\\_node=](http://www.nzmaths.co.nz/content/dominoes-pairs-within-100?parent_node=)

[http://www.kidsnumbers.com/addition\\_missing\\_number.php](http://www.kidsnumbers.com/addition_missing_number.php)

[http://www.kidsnumbers.com/subtraction\\_missing\\_number.php](http://www.kidsnumbers.com/subtraction_missing_number.php)

<http://www.free-training-tutorial.com/rounding/sharks.html>

Round three digit numbers to the nearest 10 or 100

<http://www.free-training-tutorial.com/rounding/rounding-spaceships.html>

[http://www.nzmaths.co.nz/content/rounding?parent\\_node=](http://www.nzmaths.co.nz/content/rounding?parent_node=)

[http://www.nzmaths.co.nz/content/rounding-nearest-100?parent\\_node=](http://www.nzmaths.co.nz/content/rounding-nearest-100?parent_node=)

Know the number of 100's in centuries and thousands

Know groupings of 2 in numbers to 20, and groupings of 5 to 50

[http://www.nzmaths.co.nz/content/groupings-2-numbers-20?parent\\_node=](http://www.nzmaths.co.nz/content/groupings-2-numbers-20?parent_node=)

[http://www.nzmaths.co.nz/content/groupings-5-numbers-50-0?parent\\_node=](http://www.nzmaths.co.nz/content/groupings-5-numbers-50-0?parent_node=)

<http://www.ictgames.com/funkymum20.html>

<http://www.ictgames.com/safecracker.html>

[http://www.ictgames.com/flight for fuel.html](http://www.ictgames.com/flight_for_fuel.html)

<http://www.crickweb.co.uk/ks2numeracy-properties-and-ordering.html> - ntrack

[http://www.nzmaths.co.nz/content/i-spy-addition?parent\\_node=](http://www.nzmaths.co.nz/content/i-spy-addition?parent_node=)

<http://www.oswego.org/ocsd-web/games/Mathmagician/mathsadd.html>

<http://www.oswego.org/ocsd-web/games/Mathmagician/mathssub.html>

[http://www.kidsnumbers.com/addition\\_missing\\_number.php](http://www.kidsnumbers.com/addition_missing_number.php)

[http://www.kidsnumbers.com/subtraction\\_missing\\_number.php](http://www.kidsnumbers.com/subtraction_missing_number.php)

Know addition facts to 20, and subtraction facts to 10

[http://www.nzmaths.co.nz/content/addition-and-subtraction-10-quick-recall?parent\\_node=](http://www.nzmaths.co.nz/content/addition-and-subtraction-10-quick-recall?parent_node=)

[http://www.nzmaths.co.nz/content/rock-scissors-paper?parent\\_node=](http://www.nzmaths.co.nz/content/rock-scissors-paper?parent_node=)

[http://www.nzmaths.co.nz/content/four-row-addition?parent\\_node=](http://www.nzmaths.co.nz/content/four-row-addition?parent_node=)

[http://www.nzmaths.co.nz/content/license-plates-2?parent\\_node=](http://www.nzmaths.co.nz/content/license-plates-2?parent_node=)

[http://www.nzmaths.co.nz/content/addition-bingo?parent\\_node=](http://www.nzmaths.co.nz/content/addition-bingo?parent_node=)

[http://www.nzmaths.co.nz/content/addition-loopy-cards?parent\\_node=](http://www.nzmaths.co.nz/content/addition-loopy-cards?parent_node=)

[http://www.nzmaths.co.nz/content/addition-puzzle?parent\\_node=](http://www.nzmaths.co.nz/content/addition-puzzle?parent_node=)

[http://www.nzmaths.co.nz/content/addition-facts-20-test-yourself?parent\\_node=](http://www.nzmaths.co.nz/content/addition-facts-20-test-yourself?parent_node=)

[http://www.nzmaths.co.nz/content/addition-and-subtraction-quick-recall?parent\\_node=](http://www.nzmaths.co.nz/content/addition-and-subtraction-quick-recall?parent_node=)

[http://www.nzmaths.co.nz/content/subtraction-loopy-cards?parent\\_node=](http://www.nzmaths.co.nz/content/subtraction-loopy-cards?parent_node=)

[http://www.nzmaths.co.nz/content/subtraction-facts-20-test-yourself?parent\\_node=](http://www.nzmaths.co.nz/content/subtraction-facts-20-test-yourself?parent_node=)

[http://www.nzmaths.co.nz/content/subtraction-bingo?parent\\_node=](http://www.nzmaths.co.nz/content/subtraction-bingo?parent_node=)

[http://www.nzmaths.co.nz/content/addition-basic-facts?parent\\_node=](http://www.nzmaths.co.nz/content/addition-basic-facts?parent_node=)

Know multiples of 100 that add to 1000 calculations

[http://www.nzmaths.co.nz/content/adding-multiples-100?parent\\_node=](http://www.nzmaths.co.nz/content/adding-multiples-100?parent_node=)

<http://www.nzmaths.co.nz/node/1899>

Know multiplication facts for 2s, 5s, and 10s, and corresponding division facts

[http://www.nzmaths.co.nz/content/add-and-](http://www.nzmaths.co.nz/content/add-and-multiply?parent_node=)

[multiply?parent\\_node=http://www.nzmaths.co.nz/content/i-spy-](http://www.nzmaths.co.nz/content/i-spy-multiplication?parent_node=)

[multiplication?parent\\_node=](http://www.nzmaths.co.nz/content/i-spy-multiplication?parent_node=)

[http://www.nzmaths.co.nz/content/four-row-multiplication?parent\\_node=](http://www.nzmaths.co.nz/content/four-row-multiplication?parent_node=)

<http://www.oswego.org/ocsd-web/games/Mathmagician/mathsmulti.html>

<http://www.oswego.org/ocsd-web/games/Mathmagician/mathsddiv.html>

Identify symbols for common fractions and improper fractions

<http://www.factmonster.com/math/knowledgebox/player.html?movie=sfw50647>

[http://www.nzmaths.co.nz/content/cake-fractions?parent\\_node=](http://www.nzmaths.co.nz/content/cake-fractions?parent_node=)

Order fractions with like denominators

[http://www.nzmaths.co.nz/content/pizza-pieces?parent\\_node=](http://www.nzmaths.co.nz/content/pizza-pieces?parent_node=)

[http://www.nzmaths.co.nz/content/place-it?parent\\_node=](http://www.nzmaths.co.nz/content/place-it?parent_node=)

# **Numeracy Passport**

# Stage 6

Below are some web links to help your child practice the Stage 6 knowledge required to pass their Numeracy Passport.

## Online Activities

Identify all numbers from 0 - 1 000 000

[http://www.numbernut.com/basic/activities/number\\_moreless\\_1-10000.shtml](http://www.numbernut.com/basic/activities/number_moreless_1-10000.shtml)

<http://www.kidsmathgamesonline.com/funstuff/bignumbers.html>

<http://www.mathsisfun.com/metric-numbers.html>

Order whole numbers from 0 - 1 000 000

<http://www.sheppardsoftware.com/mathgames/placevalue/BPOrder1000.htm>

<http://www.bbc.co.uk/skillswise/topic-group/numbers>

Say number 1, 10, 100, 1000 before and after whole number to 1 000 000

<http://www.free-training-tutorial.com/place-value/simple-equations.html>

[http://www.nzmaths.co.nz/content/number-madness?parent\\_node=](http://www.nzmaths.co.nz/content/number-madness?parent_node=)

[http://www.nzmaths.co.nz/content/and-after-big-numbers?parent\\_node=](http://www.nzmaths.co.nz/content/and-after-big-numbers?parent_node=)

<http://www.conkermaths.org/cmweb.nsf/products/numberbondpairs.html>

[http://www.nzmaths.co.nz/content/pairs-one-thousand?parent\\_node=](http://www.nzmaths.co.nz/content/pairs-one-thousand?parent_node=)

Know groupings within 1000

[http://www.kidsnumbers.com/addition\\_missing\\_number.php](http://www.kidsnumbers.com/addition_missing_number.php)

[http://www.kidsnumbers.com/subtraction\\_missing\\_number.php](http://www.kidsnumbers.com/subtraction_missing_number.php)

Know groupings of 2, 3, 5 & 10 in numbers to 100 and remainders

[http://www.nzmaths.co.nz/content/groupings-10-and-5-numbers-100?parent\\_node=](http://www.nzmaths.co.nz/content/groupings-10-and-5-numbers-100?parent_node=)

[http://www.nzmaths.co.nz/content/groupings-2-numbers-100?parent\\_node=](http://www.nzmaths.co.nz/content/groupings-2-numbers-100?parent_node=)

Know of 10 and 100 in 4 digit numbers

<http://www.nzmaths.co.nz/node/1853>

[http://www.sheppardsoftware.com/mathgames/popup/popup\\_addition.htm](http://www.sheppardsoftware.com/mathgames/popup/popup_addition.htm)

[http://www.sheppardsoftware.com/mathgames/matching/matching\\_subtraction.htm](http://www.sheppardsoftware.com/mathgames/matching/matching_subtraction.htm)

Know addition facts to 20, and subtraction facts to 20

[http://www.nzmaths.co.nz/content/addition-facts-20?parent\\_node=](http://www.nzmaths.co.nz/content/addition-facts-20?parent_node=)

[http://www.nzmaths.co.nz/content/subtraction-facts-20?parent\\_node=](http://www.nzmaths.co.nz/content/subtraction-facts-20?parent_node=)

[http://www.nzmaths.co.nz/content/subtraction-puzzle?parent\\_node=](http://www.nzmaths.co.nz/content/subtraction-puzzle?parent_node=)

[http://www.nzmaths.co.nz/content/subtraction-basic-facts?parent\\_node=](http://www.nzmaths.co.nz/content/subtraction-basic-facts?parent_node=)

Instant recall of multiplication facts to 100, and some corresponding division facts

<http://www.bbc.co.uk/bitesize/ks1/maths/division/play/>

<http://www.bbc.co.uk/bitesize/ks1/maths/multiplication/play/>

<http://www.oswego.org/ocsd-web/games/Mathmagician/mathsdiv.html>

<http://www.oswego.org/ocsd-web/games/Mathmagician/mathsmulti.html>

[http://www.sheppardsoftware.com/mathgames/matching/matching\\_division.htm](http://www.sheppardsoftware.com/mathgames/matching/matching_division.htm)

[http://www.nzmaths.co.nz/content/times-tables-practice?parent\\_node=](http://www.nzmaths.co.nz/content/times-tables-practice?parent_node=)

[http://www.nzmaths.co.nz/content/multiplication-bingo?parent\\_node=](http://www.nzmaths.co.nz/content/multiplication-bingo?parent_node=)

[http://www.nzmaths.co.nz/content/multiplication-loopy-cards?parent\\_node=](http://www.nzmaths.co.nz/content/multiplication-loopy-cards?parent_node=)

[http://www.nzmaths.co.nz/content/multiplication-puzzle?parent\\_node=](http://www.nzmaths.co.nz/content/multiplication-puzzle?parent_node=)

Identify symbols for all fractions including improper fractions

<http://www.fuelthebrain.com/Game/play.php?ID=215>

[http://www.sheppardsoftware.com/mathgames/fractions/memory\\_fractions1.htm](http://www.sheppardsoftware.com/mathgames/fractions/memory_fractions1.htm)

[http://www.sheppardsoftware.com/mathgames/fractions/memory\\_fractions3.htm](http://www.sheppardsoftware.com/mathgames/fractions/memory_fractions3.htm)

<http://www.fuelthebrain.com/Game/play.php?ID=47>

Order unit fractions

<http://www.scweb4free.com/ariel-fraction-game.htm>

<http://www.crickweb.co.uk/ks2numeracy-properties-and-ordering.html> - ntrack

Identify decimals to three places

<http://www.free-training-tutorial.com/decimal/place-value-decimal-ducks.html>

Say forwards and backwards in tenths and hundredths

<http://www.nzmaths.co.nz/node/1827>

[http://www.nzmaths.co.nz/content/counting-tenths?parent\\_node=](http://www.nzmaths.co.nz/content/counting-tenths?parent_node=)

[http://www.nzmaths.co.nz/content/counting-fractions?parent\\_node=](http://www.nzmaths.co.nz/content/counting-fractions?parent_node=)

Know tenths and hundredths in decimals

[http://www.nzmaths.co.nz/tenths-and-hundredths-decimal-numbers?parent\\_node=](http://www.nzmaths.co.nz/tenths-and-hundredths-decimal-numbers?parent_node=)

Round whole numbers and decimals to nearest whole number

[http://www.nzmaths.co.nz/content/rounding-big-numbers?parent\\_node=](http://www.nzmaths.co.nz/content/rounding-big-numbers?parent_node=)

<http://www.nzmaths.co.nz/node/1856>

[http://www.nzmaths.co.nz/content/rounding-nearest-whole-number?parent\\_node=](http://www.nzmaths.co.nz/content/rounding-nearest-whole-number?parent_node=)

# Numeracy Passport

# Stage 7

Below are some web links to help your child practice the Stage 7 knowledge required to pass their Numeracy Passport.

## Online Activities

Say decimal sequence forwards and backwards by 1000ths, 100ths, 10ths, ones and tens etc

[http://www.nzmaths.co.nz/content/counting-decimals?parent\\_node=](http://www.nzmaths.co.nz/content/counting-decimals?parent_node=)

Say number 1/1000th, 1/100th, 1/10th before and after any number

[http://www.nzmaths.co.nz/content/and-down-decimals?parent\\_node=](http://www.nzmaths.co.nz/content/and-down-decimals?parent_node=)

Order decimals to 3 places

<http://www.free-training-tutorial.com/math-games/decimal-gallery.html?1&>

<http://www.free-training-tutorial.com/decimal-games.html?1&>

<http://www.crickweb.co.uk/ks2numeracy-properties-and-ordering.html> - ntrack

[http://www.mathsisfun.com/ordering\\_decimals.html](http://www.mathsisfun.com/ordering_decimals.html)

<http://www.nzmaths.co.nz/node/1833>

[http://www.nzmaths.co.nz/content/ordering-fractions-decimals-and-percentages?parent\\_node=](http://www.nzmaths.co.nz/content/ordering-fractions-decimals-and-percentages?parent_node=)

Order fractions

[http://www.nzmaths.co.nz/content/fractions?parent\\_node=](http://www.nzmaths.co.nz/content/fractions?parent_node=)

[http://www.nzmaths.co.nz/content/ordering-fractions?parent\\_node=](http://www.nzmaths.co.nz/content/ordering-fractions?parent_node=)

[http://www.nzmaths.co.nz/content/big-and-small-fractions?parent\\_node=](http://www.nzmaths.co.nz/content/big-and-small-fractions?parent_node=)

Know groupings of numbers to 10 in numbers to 100

Know groupings of 10, 100, 1000 from 7 digit numbers

[http://www.nzmaths.co.nz/content/groupings-10s-100s-1000s?parent\\_node=](http://www.nzmaths.co.nz/content/groupings-10s-100s-1000s?parent_node=)

Know equivalent fractions (halves, 3rds, quarters, 5ths, 10ths)

[http://www.nzmaths.co.nz/content/equivalent-fractions?parent\\_node=](http://www.nzmaths.co.nz/content/equivalent-fractions?parent_node=)

Round whole numbers and decimals to nearest whole number

<http://www.mathsisfun.com/rounding-numbers.html>

Recall division facts for all the ten times tables

[http://www.nzmaths.co.nz/content/division-basic-facts?parent\\_node=](http://www.nzmaths.co.nz/content/division-basic-facts?parent_node=)

[http://www.nzmaths.co.nz/content/division-bingo?parent\\_node=](http://www.nzmaths.co.nz/content/division-bingo?parent_node=)

[http://www.nzmaths.co.nz/content/division-loopy-cards?parent\\_node=](http://www.nzmaths.co.nz/content/division-loopy-cards?parent_node=)

[http://www.nzmaths.co.nz/content/division-puzzle?parent\\_node=](http://www.nzmaths.co.nz/content/division-puzzle?parent_node=)

[http://www.nzmaths.co.nz/content/division-game?parent\\_node=](http://www.nzmaths.co.nz/content/division-game?parent_node=)

<http://www.nzmaths.co.nz/content/match-multiplication-and-division->

[facts?parent\\_node=  
http://www.crickweb.co.uk/ks2numeracy.html](#)

Convert fraction to decimal to percents for halves, 3rds, quarters, 5ths and 10ths

<http://www.mathsisfun.com/convert-fractions-decimals.html>  
[http://www.nzmaths.co.nz/content/30-sale?parent\\_node=  
http://www.nzmaths.co.nz/content/matching-fractions-decimals-and-  
percentages?parent\\_node=  
http://www.nzmaths.co.nz/content/fraction-decimal-percentage-match-  
ups?parent\\_node=  
http://www.nzmaths.co.nz/content/fraction-decimals-percentages-  
dominoes?parent\\_node=](http://www.nzmaths.co.nz/content/30-sale?parent_node=)

Know divisibility rules for 2, 3, 5, 9, and 10

<http://www.nzmaths.co.nz/node/1908>  
[http://www.nzmaths.co.nz/content/divisibility-game?parent\\_node=](http://www.nzmaths.co.nz/content/divisibility-game?parent_node=)

Know square numbers to 100

[http://www.nzmaths.co.nz/content/square-roots?parent\\_node=](http://www.nzmaths.co.nz/content/square-roots?parent_node=)

Identify factors of numbers to 100

[http://www.nzmaths.co.nz/content/calculator-factors?parent\\_node=  
http://www.nzmaths.co.nz/content/common-factor-challenge?parent\\_node=  
http://www.nzmaths.co.nz/content/factors-cover?parent\\_node=](http://www.nzmaths.co.nz/content/calculator-factors?parent_node=)

Identify common multiples of numbers

[http://www.nzmaths.co.nz/content/common-multiple-challenge?parent\\_node=  
http://www.nzmaths.co.nz/multiples-cover?parent\\_node=](http://www.nzmaths.co.nz/content/common-multiple-challenge?parent_node=)

Perform column addition and subtraction for whole numbers

[http://mathszone.co.uk/calculating/  
http://www.topmarks.co.uk/maths-games/7-11-years/addition-and-  
subtraction](http://mathszone.co.uk/calculating/)

Perform short multiplication and division of 3 digit numbers by 1 digit number

<https://www.youtube.com/watch?v=HUZMLvzpsXY>

# Numeracy Passport

## Stage 8

Below are some web links to help your child practice the Stage 8 knowledge required

to pass their Numeracy Passport.

#### Online Activities

Say decimal word sequence forwards and backwards by 1000ths, 100ths, 10ths, ones, tens starting at any decimal

[http://www.nzmaths.co.nz/content/counting-decimals?parent\\_node=](http://www.nzmaths.co.nz/content/counting-decimals?parent_node=)

Say number  $1/1000$ th,  $1/100$ th,  $1/10$ th before or after any decimal number

[http://www.nzmaths.co.nz/content/and-down-decimals?parent\\_node=](http://www.nzmaths.co.nz/content/and-down-decimals?parent_node=)

<http://www.free-training-tutorial.com/math-games/decimal-gallery.html?1&>

<http://www.free-training-tutorial.com/decimal-games.html?1&>

Order fractions, decimals, and percentages

[http://www.nzmaths.co.nz/content/fractions?parent\\_node=](http://www.nzmaths.co.nz/content/fractions?parent_node=)

[http://www.nzmaths.co.nz/content/ordering-fractions?parent\\_node=](http://www.nzmaths.co.nz/content/ordering-fractions?parent_node=)

[http://www.nzmaths.co.nz/content/big-and-small-fractions?parent\\_node=](http://www.nzmaths.co.nz/content/big-and-small-fractions?parent_node=)

<http://www.nzmaths.co.nz/node/1832>

<http://www.nzmaths.co.nz/node/1833>

[http://www.nzmaths.co.nz/content/ordering-fractions-decimals-and-percentages?parent\\_node=](http://www.nzmaths.co.nz/content/ordering-fractions-decimals-and-percentages?parent_node=)

Know number of 10ths, 100ths and 1000ths in numbers up to 3 decimal places

<http://www.free-training-tutorial.com/decimal/place-value-decimal-ducks.html>

<http://www.nzmaths.co.nz/node/1863>

Know what happens when a number is multiplied or divided by a power of 10

<http://www.nzmaths.co.nz/node/1865>

Round decimals to nearest 100, 10, 1 10th, or 100th

<http://www.free-training-tutorial.com/decimal/decimal-spaceships.html>

<http://www.free-training-tutorial.com/decimal/decimal-sharks.html>

Round decimals to nearest 100, 10, 1 10th, or 100th

[http://www.nzmaths.co.nz/content/rounding-nearest-tenth?parent\\_node=](http://www.nzmaths.co.nz/content/rounding-nearest-tenth?parent_node=)

[http://www.nzmaths.co.nz/content/rounding-nearest-hundredth?parent\\_node=](http://www.nzmaths.co.nz/content/rounding-nearest-hundredth?parent_node=)

<http://www.mathsisfun.com/rounding-numbers.html>

Recall fraction to decimal to percent conversions for fractions and decimals

<http://www.mathsisfun.com/convert-decimals-percents.html>

<http://www.mathsisfun.com/convert-percents-decimals.html>

Know simple power of numbers to 10

[http://www.nzmaths.co.nz/content/simple-powers?parent\\_node=](http://www.nzmaths.co.nz/content/simple-powers?parent_node=)

<http://www.mathsisfun.com/index-notation-powers.html>

Know divisibility rules for 2, 3, 4, 5, 6, 8 and 10

<http://www.nzmaths.co.nz/node/1908>

[http://www.nzmaths.co.nz/content/divisibility-game?parent\\_node=](http://www.nzmaths.co.nz/content/divisibility-game?parent_node=)

Identify lowest common multiples of numbers

[http://www.nzmaths.co.nz/multiples-cover?parent\\_node=](http://www.nzmaths.co.nz/multiples-cover?parent_node=)

[http://www.nzmaths.co.nz/content/common-multiple-challenge?parent\\_node=](http://www.nzmaths.co.nz/content/common-multiple-challenge?parent_node=)

Convert fractions to decimals to percentages and vice versa

[http://www.nzmaths.co.nz/content/matching-fractions-decimals-and-percentages?parent\\_node=](http://www.nzmaths.co.nz/content/matching-fractions-decimals-and-percentages?parent_node=)

<http://www.mathsisfun.com/convert-decimals-fractions.html>

[http://www.nzmaths.co.nz/content/fraction-decimals-percentages-dominoes?parent\\_node=](http://www.nzmaths.co.nz/content/fraction-decimals-percentages-dominoes?parent_node=)

Convert fractions to decimals to percentages and vice versa

<http://www.mathsisfun.com/convert-decimals-fractions.html>

<http://www.mathsisfun.com/convert-fractions-decimals.html>