

Addition Puzzle

Purpose:

The purpose of this activity is to help your child to recall the addition basic facts.

Link to the Number Framework:

Number Facts, Stage 5

What you need:

Puzzle board. You can print this or make your own.

What to do:

Cut out the puzzle and give the pieces to your child.

Ask your child to arrange the pieces back into the 3 by 3 grid so that sides of the touching pieces match.

For example, $9 + 3$ needs to match 12.

Two hints you may wish to give your child:

1. When the puzzle is complete none of the pieces will be orientated so the numbers are upside down.
2. The piece with 2 blank sides can go in the top left corner of the puzzle.

What to expect your child to do:

To use their addition basic facts to solve the puzzle.

Variation:

Make your own puzzle. Puzzles where every fact has a different answer are easier to solve.

He Kupu Māori:

porotēteke	upside down
pangahono	jigsaw puzzle
hono (a)	join
tāpiri (hia)	add
tāpiritanga	addition
otinga	result/answer

He Whakawhitinga Kōrero:

- He rite tēnei ki te pangahono. (*This is like a jigsaw puzzle.*)
- E iwa ngā kāri hei honohono māu. (*There are nine cards for you to put together.*)
- Honoa ngā kāri kia hāngai tonu ia tāpiritanga ki te otinga e tika ana. (*Put the cards together so that each addition aligns with its answer.*)
- Hei tauira, me hāngai tonu te tāpiritanga o te iwa me te toru ki te tekau mā rua. (*For example, the addition $9 + 3$ should align with a 12.*)
- Tāpirihia te rua me te whitu, ka hia? (*Add 2 and 7. How many is that?*)
- Ko te kāri e wātea ana ētahi taha e rua, koia te kāri tīmatanga – me whakatakoto ki te kokonga runga mauī. (*The card with two blank sides is the starting card – it should go in the upper left hand corner.*)
- Kāore he tuhinga porotēteke i ngā kāri. (*None of the writing appears upside down.*)

Addition Puzzle

$5 + 6$ $5 + 4$	9 $3 + 2$ $8 + 9$	15 $4 + 4$ $9 + 9$
11 $9 + 4$ $9 + 3$	5 $4 + 3$ $10 + 10$	6 8 $5 + 1$
13 $2 + 2$ $6 + 8$	7 $7 + 8$ $6 + 4$	17 $4 + 2$ $10 + 9$