



Subtraction Puzzle

Purpose:

You can help your child to recall the subtraction basic facts up to 20.

What you need:

Subtraction 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, 11 - 4 needs to match 7.

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 subtraction 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
tango (hia)	subtract, take away
tangohanga	subtraction
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 tangohanga ki te otinga e tika ana. (*Put the cards together so that each subtraction aligns with its answer.*)
- Hei tauira, me hāngai tonu te tangohanga o te ono i te whitu ki te kotahi. (*For example, the subtraction of 6 from 7 (7 - 6) should align with 1.*)
- Tangohia te ono i te whitu, ka hia? (*Take away 6 from 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 tuinga porotēteke i ngā kāri. (*None of the writing appears upside down.*)

Subtraction Puzzle

$7 - 6$ $15 - \overline{6}$	16 $\overline{9} - 5$ 9 $13 - 5$	17 $8 - 3$ 8 $20 - 5$
14 $17 - 4$ 1 $9 - \overline{6}$	3 $16 - 6$ 4 $11 - 4$	7 $17 - 5$ 5 $17 - 3$
11 $19 - \overline{1}$ 13 $14 - 2$	12 $18 - 2$ 10 $12 - \overline{6}$	6 $20 - 3$ 12 $19 - 8$