

Subtraction Puzzle

Purpose:

The purpose of this activity is to help your child to recall the subtraction basic facts up to 20.

Link to the Number Framework:

Number Facts, Stage 6

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, 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

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