

Multiplication Puzzle

Purpose:

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

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, 5 x 5 needs to match 25.

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 belongs in the top left corner of the puzzle.

What to expect your child to do:

To use their multiplication 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
whakarea (tia)	multiply
whakareatanga	multiplication
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 whakareatanga ki te otinga e tika ana. (*Put the cards together so that each multiplication aligns with its answer.*)
- Hei tauira, me hāngai tonu te whakareatanga o te ono ki te waru (6 x 8) ki te whā tekau mā waru (48). (*For example, the multiplication 6 x 8 should align with 48.*)
- Whakareatia te ono ki te waru (6 x 8), ka hia tēnā? (*Multiply 6 by 8. 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 will appear upside down.*)

Multiplication Puzzle

6×8 6×6	64 5×4	25 8×9 5×10
21 4×8 2×3	6 5×7 9×5	72 6×7 8×4
54 5×5 8×7	56 6×2 7×7	49 7×3 42 6×3