

MULTO

Background:

The MULTO game developed by Maths 300, is based on the game bingo. Students win the round if they cross out four solutions in a row, column, diagonal or four corners.

Materials:

Set of MULTO cards (Multiplication flashcards ranging from 0×0 up to 9×9 and a Multo grid (4×4 grid) for each student

WALT: Use knowledge of multiplication facts to select the correct solution.

WILF: Fluency with the multiplication facts and the ability to choose to position the number on the grid to maximise the chances that it is called.

Game Objective: To cross off four solutions in either a row, column, diagonal or four corners.

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Summary:

- Students fill in a MULTO grid with 16 numbers (no numbers can be repeated)
- These numbers are taken from potential solutions to multiplication facts ranging from 0×0 up to 9×9 , e.g. 25 ($5 \times 5 = 25$)
- Teacher shuffles the MULTO cards and selects one card
- The teachers can choose to show the card to the class or read the card, e.g. if the card was 5×5 the teacher could say, *5 times 5*, *5 multiplied by 5*, *5 groups of 5* or *5 fives*, etc.
- Students search for this solution on their grid and cross it off if they have it
- The first student to cross off 4 correct answers in a row, column, diagonal or 4 corners calls “Multo!”
- The grid is then checked to see if the student is indeed correct
- A new game is started where students have the option to redraw their grid with a different combination of numbers before the MULTO cards are shuffled and play resumes.

Additional Information:

By allowing students to choose the numbers for their MULTO grids teachers can assess students’ level of understanding of the multiplication facts. After playing a few rounds of the game teachers can question students about which numbers are better to place on their grids. Why is this the case? Which numbers should not be selected for the grid? Are there locations on the grid where “popular” numbers should be placed in order to maximise the chances of that grid being successful?

Further Reading:

Maths 300. (2019). Lesson notes 052 Multo: better than bingo! Retrieved from https://maths300.com/sample/052/052_lesson.html