

Bowled Over

Teacher Notes

This resource is aimed at grade 3 students, however it could be used for any primary school students to improve their understanding of odd and even numbers, and the relationship between addition and subtraction.

The resource is based around the game Finska, an excellent game from Finland that can be used in a wide range of primary maths applications. If you are not able to access the original Finska equipment, you can simply print out the attached A4 PDF labels. Wrap the labels around plastic water bottles (filled with water replicate the mass of the traditional wooden logs). You can also use a plastic water bottle as a throwing log (maybe outdoors in case of leakage!). Watch the video in the following link to get an understanding of the game Finska before introducing it to your students.

https://www.youtube.com/watch?v=u24niDq_HNc

See the attached PDF file for the Finska rules.

As an extension, or for assessment purposes, you can ask your students to fill in the attached calculations worksheet. Students can be encouraged to show their chosen strategies and written calculations for each bowl completed.

Curriculum Links

Mathematics Level 3

- Investigate the conditions required for a number to be odd or even and identify odd and even numbers ([VCMNA129](#)).
- Recognise and explain the connection between addition and subtraction ([VCMNA132](#)).
- Recall addition facts for single-digit numbers and related subtraction facts to develop increasingly efficient mental strategies for computation ([VCMNA133](#)).

Mathematics Level 4

- Investigate and use the properties of odd and even numbers ([VCMNA151](#)).

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Learning Intention and Success Criteria

Learning Intention

To be able to use game play to complete addition and subtraction.

Success Criteria

- ✓ Demonstrate an ability to:
 - Accurately add and subtract single and two-digit numbers
 - calculate my score as less than / more than my opponent
 - calculate how many more I need to reach the target score
 - Accurately identify my current score as odd or even

Equipment Required

Students will require:

- Copies of the attached scorecard
- Copy of the Finska rules
- Finska Game, or
 - 12 plastic water bottles
 - Printed A4 BioLAB labels for pins 1 - 12
 - 1 extra plastic water bottle as a throwing pin