

STAGE 3 - MATHEMATICS - Number and Algebra

Dice Croquet 2

Suggested Outcomes

- MA3-4NA** Orders, reads and represents integers of any size and describes properties of whole numbers
- MA3-6NA** Selects and applies appropriate strategies for multiplication and division, and applies the order of operations to calculations involving more than one operation

Resources

- Hurdles
- 2 Large dice
- Clipboard or chalk

Instructions

- Set up basic croquet course per team
- Teams roll both dice through hurdle
- The highest number is the number of times each student must jump that hurdle
- Combine the numbers on the dice to create either 5 or 6 digit numbers
- Record the number
- Repeat at each station/hurdle
- At the end of the course, add all the numbers together
- Largest number (total) wins

Extension/Variation

- Multiply the number at each hurdle (two dice) by the sum of 2 dice.
- Composite number answers: give all of the factors of an answer when 2 dice are rolled
e.g. $6 \times 3 = 18$
Therefore 1, 2, 3, 6, 9, 18 to progress around the croquet course.

Courtesy of Wheeler Heights PS

