

Aim Higher - a game with dice



This is a game for practising multiplying, dividing, subtracting and adding.

You will need: 3 standard dice, one die with multiplication and division symbols on it, and one die with addition and subtraction symbols on it (or you could make two sets of cards one with division and multiplication signs on them and one with addition and subtraction signs).

Aim: to get the highest score

Rules:

Decide who goes first by throwing one die – highest starts.

Throw the dice (or throw dice and turn the cards).

Arrange the dice so as to get the highest score (two of the dice must be added and then multiplied or divided by the number on the third die)

e.g.

6

3

4

x

+

 are thrown

$4 + 3 = 7$, then $7 \times 6 = 42$
42 is then the score.

Each player does this in turn.

Variations

Write down all the possible scores and look to see if you develop a strategy. E.g. does adding the two lowest numbers together and multiplying by the highest always give you the highest score? What would always give you the lowest score?

Write down the calculations using BIDMAS
(*Note that the example above does not follow BIDMAS*)

Aim to get the lowest score

Don't use a calculator

You can put more dice in if you want to make it harder.

You can play this game on your own, or with any number (and any age) of players.

BIDMAS: Brackets Indices Division Multiplication Addition Subtraction