

Activity 3:Three in a row

Resources: Number grid per pair of pupils, two dice per pair, counters

Strands: Addition, subtraction, position and direction

Activity: Give each pair of pupils a number grid, two dice and some counters. Pupils take it in turns to throw the two dice. They must then decide if they will add or subtract using the two numbers. If their answer appears on the grid they can cover it with a counter. The first person to cover three numbers in a row (vertically, horizontally or diagonally) is the winner.

Questions: What does vertical/horizontal/diagonal mean? Show me using the grid.

Why did you subtract the two numbers?

What could have happened if you added instead?

What's the highest number you can get while playing? What's the lowest?

Challenge Questions:

- * Do you have a plan while playing? Would it be important to have a plan? Why?
- * Why did no one win in that game? (For example, the other person blocked my path).
- * Now that you've played it once what might you do differently the next time?

Variations:

1. Give the pupils number cards greater than 6 instead of dice and change the number grid to include higher numbers.
2. Give pupils three dice instead of two.

11	8	5	9
1	0	3	4
7	2	6	10
12	8	4	9
5	11	0	3