



Don't be Cross!



CALCULATOR CRUNCH

DAY 4

Don't be cross!



This is a game for two players

- Each player chooses a starting number
- The person with the highest number subtracts and the other adds
- Players take it in turns to add or subtract from their total
- Record the totals so you can both see them
- Make sure that the totals don't cross over

| | Player 1 | | | Player 2 | |
|---------------|--------------|-----------|---------------|--------------|-----------|
| | Start | 14 | | Start | 36 |
| Turn 1 | Add 4 | 18 | Turn 1 | Subtract 5 | 31 |
| Turn 2 | Add 10 | 28 | Turn 2 | Subtract 2 | 29 |

Keys allowed:

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What next?

Pick your own starting numbers and have a go!

Aim of the activity

This is a game for two players

You need to make sure that you can see each other's numbers as you play as that is part of the game.

Each player chooses a starting number. It can be any number you want.

Tell each other your numbers.

The person with the highest number is going to choose numbers to subtract from their start number

The person with the lowest number is going to choose numbers to add to their start number.

The numbers must not cross over!

For example

| | Player 1 | | Player 2 | |
|---------------|--------------|-----------|--------------|-----------|
| | Start | 14 | Start | 36 |
| Turn 1 | Add 4 | 18 | Subtract 5 | 31 |
| Turn 2 | Add 10 | 28 | Subtract 2 | 29 |

Player 1 and 2 are taking it in turns to add to or subtract from their starting numbers. Now Player one is on 28 and Player 2 is on 29. They must not allow their totals to cross over so Player 1 must try to stay with the lowest total and Player 2 the highest.

What could they do in their next turn to avoid crossing over?
You might have to use the decimal point to add or subtract smaller values.

Extra Challenge

Is there a way that you can make sure you always win?
Is it best to be Player 1 or Player 2?