## Positive and negative numbers (the spaceship game) - Robert

## Objectives

The relevant framework objective is:

- recognise negative numbers in context;
- explain methods and reasoning about numbers orally and in writing.


## Activity description

The pupils used negative numbers to play the spaceship game.
In the game, the spaceship lands on a planet where the temperature is currently 3ÚC. The spaceship cannot take off again until it falls to -10ÚC. Players take it in turns to choose cards and move up or down the board, according to the temperature shown on each card. The first person to reach -10ÚC wins.

## Commentary

One context for work at level 3 with negative numbers includes recognising that negative numbers are below zero, for example that -2ÚC represents a temperature below freezing.

In one instance, where one counter was on 2 and the other on -5 , Robert was able to explain that the difference was 7ÚC.

This is characteristic of performance at level 3.

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## Items of work

Robert explains his working for the spaceship game (1)


Robert explains his working for the spaceship game (2)


## PUPIL:

The minus numbers are below freezing and the others are above freezing.

## About this entry

Subject: mathematics<br>Year: 4<br>Key stage: 2<br>NC programme of study: Ma2p1i, Ma2p2c<br>Attainment target: Ma2<br>Evidence for: level 3

