

## SIT DOWN, STAND UP

### **Aims:**

The aims of this activity are two-fold. First to encourage teamwork and communication etc. Second, to give practice in a range of 'mental' arithmetic questions which can include algebra etc.

Split the class into two teams; A and B. One team stands to the left of the room, the other team stands to the right side.

**Explain that NO verbal or written communication is allowed.**

Fire off a question with a numerical answer; e.g. "The square-root of 49."

The team who can arrange to leave the correct number (7 in this case) of members standing, scores a point. Each team is only allowed one incorrect answer per question.

The winning team is simply that with the highest score after a series of questions.

Possible questions might include:

- 1) What is the square-root of 49?
- 2) What is 3 squared plus one?
- 3) What is the highest common factor of 12 and 30?
- 4) Solve the equation:  $3(x + 1) = 27$ .
- 5) How many edges has a cube?
- 6) What is the mean of the numbers 5, 8, 8 ?
- 7) Work out the value of  $1 + 2 \times 5 - 2^2$ .
- 8) How many sides has a decagon?
- 9) Round the number 21.74 to one significant figure. Halve the answer.
- 10) What is the units digit in the number  $3^3$  ?