



# Joining Numbers

## Phase: Foundation (Gr 1-3) & up

**Number of Learners:** Two or more learners working in pairs

### Purpose:

- Learners practise addition
- Learners to find efficient strategies for adding series of numbers.
- Team work

### Materials Needed:

- Joining Numbers worksheet (Print worksheet or make your own with a piece of paper, pencil or pen)

### How to play:

- Learner to work in pairs by taking turns.
- Learners are to be encouraged to look for pairs of numbers that can be friends i.e numbers that may add to 10 (or a decade), doubles etc.
- **Grade 1:**
  - **Join** any **3 numbers**. Add them together to find their total.
  - Joins can go **up, down, across** and **diagonally**.
- **Grade 1 (extension):**
  - Find the **highest** possible total with 3 numbers.
  - Find the **lowest** possible total with 3 numbers.
  - Look for numbers that add to **exactly** 10.

3	2	4
4	7	6
1	5	3

**Example:**  $1+4+3=8$



# Joining Numbers

Phase: Foundation  
(Gr 1-3) & up

## How to play:

- **Grade 2 & 3:**
  - Join any 4 numbers. Add them together to find their total.
  - Joins can go **up, down, across** and **diagonally**.

- **Grade 2 & 3 (extension):**
  - Find the **highest** possible total with 4 numbers.
  - Find the **lowest** possible total with 4 numbers.
  - Look for numbers that add **exactly** to a decade number such as 20, 30, 40, 50 etc.

9	12	4	10
4	7	6	8
1	5	3	13
20	10	11	2

**Example:**  $1+4+9+12=26$

DON'T  
FORGET  
TO HAVE  
FUN

