

# Half Full or Half Empty



## Objective

A competitive and cooperative physical activity which requires teams to use problem-solving skills.



## Equipment

- Water
- Buckets
- Cups



## Preparation

- Split the children into teams of 5 or 6.
- Ask the children to sit in a line behind each other.
- Place a full bucket of water in front of the leader, and an empty bucket behind the child at the back of the line with a water level line drawn or taped on.
- Give the first player two empty cups.



## Other information

• Have children wear blindfolds to increase difficulty.

Encourage younger children to estimate how many cups it will take to reach the required water level.

For older children, can they measure the capacity of the bucket and then work out how many cups will be required to fill the bucket?



## Instructions

- The leader of the line must dip the cups into the full bucket of water and pass them backwards over their head to the next teammate. The final child on the team dumps the water in the cups into the empty bucket.
- The final child must then pass the empty cups back up to the front and the process is **repeated until the water level line is reached in the second bucket.**
- The aim of the game is for each team to transfer the water from the first bucket to the second bucket.
- Each team must work cooperatively and communicate effectively to transfer the water.
- Teams cannot move the bucket or turn around to pass the cups.
- **The team which reaches the water level line first, wins the game.**

