

Mega number lines

Learning Intention: Understanding how to place decimals, fractions and percentages on a number line.

Equipment

The oval – use the lines in the turf as the number lines.

10 witches hats per group. (6 groups maximum)

10 cards per group with a mix of fractions, decimals and percentages. (between 0 and 1)
1) Make your cards by folding A4 paper into quarters. Copy the mixed fractions from the board onto your cards.

blutack to attach cards to hats.

Task

The group are given the cards and must place them in order from the tree side of the oval to the path at the side of the oval. (ie. The hats are placed East/West), finishing the line at the playground end.

Groups can step out different lengths up to 70 strides.

All groups have the same starting point for zero.

Groups need to work cooperatively. Assign tasks so that you can work quickly.

Groups should then stand on the hill and check their markings for accuracy. Compare their hats to the other groups. Each group should use an iPad to take a pic of the results.

Success?? - All members of the group participated.

The hats were placed accurately.

Group members were able to locate appropriate equivalent fractions for %, proper fractions and decimals.

Variation – all groups have the same length and they swap fraction cards with another group.