

Place Value Orienteering Challenge

Biggest and Smallest Number



Objective

To secure knowledge of place value.



Equipment

- Orienteering Control Markers
- Enrich School Orienteering Map
- Activity Sheet
- Marker picture sheet



Preparation

- Children could do this activity in pairs.
- Print an Activity Sheet for each pair.
- Provide each pair with an Enrich School Orienteering Map. Make sure they know the starting point for the activity.
- Revisit the locations of the control points with the children. If there are any areas of the school site or individual control points which are not to be included in this activity, indicate where they are on children's orienteering maps.
- Make sure that children know how to record the control points that they visit.
- Teachers may decide to place a time limit on the activity. This could be differentiated for different groups.



Instructions

- Children use the Enrich School Orienteering Map to locate orienteering control points.
- Tell children that this activity is a challenge – they have to select control points to get biggest and smallest numbers. They can choose any orienteering control points within the area indicated by the teacher and can visit more than 5 control points to get the best answers for the questions.
- At each control point they choose, children record the number of the control point on their Activity Sheet. (The number for each control point is shown on their Enrich School Orienteering Map.)
- Alternatively, they can record the name of the animal that is pictured on the control marker. (The name of the animal is shown to the left of the picture on each marker.)
- They then use combinations of the numbers on the marker to make the biggest or smallest number as instructed. Apart from the fifth question, they can use the numbers in any order.
- NB Children should be clear that they do not add numbers together – they just use the digits on the control marker to combine to make numbers.



Other information

- When pairs of children return to the starting point, two pairs can check each other's Activity Sheets using the Marker Picture Sheet, which shows each marker with their numbers.
- When all children have completed the activity, teachers could compare groups' answer sheets to see which group got the biggest/smallest number for each question.

