



Level A questions for early primary school students

Station	Location	Questions	Answers
1	Traffic Lights beside small post	Complete the sequence of colours; green, orange red, green,	
2	Tree across from blue building	Name the shapes you can see on the building in front of you. How many edges can you find?	
3	First blue exercise station	Name the shapes you can see on the exercise station.	
4	End of 2nd blue station	How many vowels can you see on the road sign? Do any of the letters have symmetry?	
5	Where the paths cross	Name the shapes you can see on the green fence. Estimate the height of the biggest tree located beside the fence.	
6	At gate near stone monuments	What shape is made by joining the 3 stone monuments?	
7	In front of block of houses	In the 16 houses in front of you estimate how many people live in each of the houses? Approximately how many people live in the houses in total?	
8	End of path with green area to right	By counting your steps estimate the distance between the first two trees. Now estimate the distance from the first tree to the last one.	

9	Between 2nd and 3rd Pole	How many cars are outside each house? How many cars are there in total? Is there enough space to park all of these cars in drives? Where could more space be found?	
10	At end of path near entrance gate	What shapes were used to build the apartment block across the road? Can you see any lines of symmetry? Estimate the number of people living in the apartment block.	

Level B questions for late primary/early secondary school students

Station	Location	Questions	Answers
1	Traffic Lights beside small post	If the sequence of lights goes green, orange, red, and repeats in this sequence continuously, what colour will the 10th, 34th and 100th lights be?	
2	Tree across from blue building	What types of triangles can you see? What types of lines can you see?	
3	First blue exercise station	Estimate the number of holes you can see on the four benches?	
4	End of 2nd blue station	Are the two bars parallel? Estimate the ratio of heights of the 3 blue poles.	
5	Where the paths cross	Looking down at the paths from the sky, are the paths perpendicular or parallel?	
6	At gate near stone monuments	From open to closed estimate the angle made by the gate. What type of angle is this?	
7	In front of block of houses	Estimate the total number of people living in the 16 houses opposite. Calculate the average number of people per household based on your guess? There are 3 ways to find an average- what are the three methods called?	

8	End of path with green area to right	If the two wires that meet at the top of the pole form an isosceles triangle with the ground, estimate each of the angles in the triangle.	
9	Between 2nd and 3rd Pole	Looking at the block of houses in front of you, how many lines of symmetry can you find? Can you see any repeating patterns in the design of the houses -colours,shapes,etc?	
10	At end of path near entrance gate	Estimate the distance you have walked on this trail. Estimate the time it has taken you to walk the trail. Estimate the speed you walked the trail at?	



Level C questions for late secondary school students

Station	Location	Questions	Answers
1	Traffic Lights beside small post	If the distance from one set of lights to the next is approximately 100m, count how many seconds it takes a car to travel this distance. Estimate the speed of the car in m/s.	
2	Tree across from blue building	The blue triangles on the building in front of you are congruent to each other. What does the word 'Congruent' mean? How would you show that two triangles are congruent to each other?	
3	First blue exercise station	What is the ratio of yellow to blue poles? What percentage of the poles are blue?	
4	End of 2nd blue station	Estimate the 3 angles made by the 3 blue poles on the ground.	
5	Where the paths cross	Estimate the angles made where the two paths meet.	
6	At gate near stone monuments	Estimate using your hands or feet the height, width and depth of the large stone on the right. Calculate the approximate volume of the stone.	

7	In front of block of houses	Using an estimate of your own height estimate the height of the pole. Estimate the distance from the base of the pole to one of the wires on the ground. Estimate the length of the wire.	
8	End of path with green area to right	Is the grass section on your right is in the shape of a triangle? Estimate the area of the grass.	
9	Between 2nd and 3rd Pole	Are the poles along this path equidistant? Are the poles collinear?	
10	At end of path near entrance gate	Kylemore College was established in 1964. What age is the school now? What age will it be in 2025?	