

L.O. To calculate distances using an Ordnance Survey map.	What I think	What my teacher thinks
Remember to/that:		
Places of interest (e.g. museums) are marked with a blue symbol.	☐	☐
Footpaths, bridleways, roads, railways and tram lines are all shown using different styles of line.	☐	☐
Colours and patterns show what the land looks like (e.g. built up, forested, water, etc.)	☐	☐
On Ordnance Survey maps, the squares are 1km x 1km.	☐	☐
'As the crow flies' means in a straight line.	☐	☐
Use a 'Roamer' scale to measure distances on a map.	☐	☐
1km = 1000m	☐	☐
1 tenth of 1km = 100m	☐	☐

Look at the map of Sheffield. Locate Walkley Primary School (the red circle). There are two rectangular shapes close to the circle, that you should know well – what are they?

Also on the map are circles of different colours that help you to locate other landmarks, either close to Walkley or further afield. How far away are they from Walkley Primary School? How do you know? How could we make an accurate estimate?

Beneath the map is a 'Roamer' scale – it looks a little like a ruler. It has 0 to 5km marked on it, with intervals between each km. How many intervals? What does each interval represent?

Carefully cut out the Roamer – try not to tear it (you'll need it in one piece!)

Use the Roamer to measure the 'as the crow flies' distance between school and Kelham Island Museum. Place the 0 of the Roamer on one of the circles and link to the other along the straight edge. How many whole km and how many 100s of metres is it? Record your answer as decimal km (e.g. 1.4km) and m (e.g. 1400m).

Complete the table over the page of 'as the crow flies' distances.

The distance you need to travel in the 'real world' would be different to the 'as the crow flies' distance because...

From Walkley Primary School to;	kilometres	metres
Sheffield Cathedral		
Kelham Island Museum		
Tesco, Infirmary Road		
Weston Park Museum		
The Peace Gardens		
Sheffield Railway Station		
Walkley Library		
Zest, Upperthorpe		
From Sheffield Railway Station to;	kilometres	metres
Sheffield Cathedral		
Kelham Island Museum		
Tesco, Infirmary Road		
Weston Park Museum		
The Peace Gardens		
Walkley Library		
Zest, Upperthorpe		

Walkley Primary School is located by a red circle towards the top of the map; ●

Sheffield Cathedral is located by a purple circle on the map; ●

Kelham Island Museum is located by a yellow circle on the map; ●

Tesco Infirmary Road is located by a light green circle on the map; ●

Weston Park Museum is located by a light blue circle on the map; ●

The Peace Gardens are located by an orange circle on the map; ●

Sheffield railway station is located by a dark green circle on the map; ●

Walkley Library is located by a grey circle on the map; ●

Zest, Upperthorpe is located by a white circle on the map; ●

