
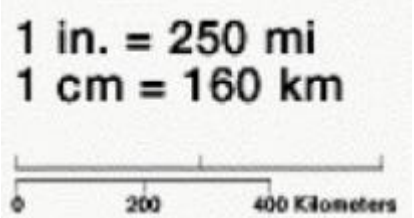
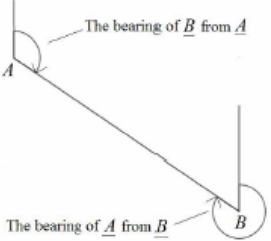


## Topic: Bearings and Scale Diagrams

Topic/Skill	Definition/Tips	Example
1. Scale	The <b>ratio</b> of the <b>length</b> in a <b>model</b> to the length of the <b>real</b> thing.	 <p style="color: green; margin-left: 20px;">Real Horse 1500 mm high 2000 mm long</p> <p style="color: blue; margin-left: 20px;">Drawn Horse 150 mm high 200 mm long</p>
2. Scale (Map)	The <b>ratio</b> of a <b>distance on the map</b> to the actual <b>distance in real life</b> .	 <p style="text-align: center; font-weight: bold;">1 in. = 250 mi 1 cm = 160 km</p> <p style="text-align: center;">0      200      400 Kilometers</p>
3. Bearings	<ol style="list-style-type: none"> <li>1. Measure from <b>North</b> (draw a North line)</li> <li>2. Measure <b>clockwise</b></li> <li>3. Your answer must have <b>3 digits</b> (eg. 047°)</li> </ol> <p>Look out for where the bearing is measured <u>from</u>.</p>	
4. Compass Directions	<p>You can use an acronym such as '<b>Never Eat Shredded Wheat</b>' to remember the order of the compass directions in a clockwise direction.</p> <p>Bearings: <i>NE = 045°, W = 270° etc.</i></p>	