

Question number	Answer	Notes	Marks
4	<p>MP1. find volume (of bolt);</p> <p>MP2. using displacement method;</p> <p>MP3. further detail of displacement method;</p> <p>MP4. correct use of density equation to find mass;</p> <p>MP5. further example of good practical technique;</p>	<p>MP2 MP3 MP5 can be awarded if seen on diagram</p> <p>e.g.</p> <ul style="list-style-type: none"> • ensure bolt is fully submerged • measure volume of water before and after then find difference • (if using Archimedes can) ensure all displaced water is collected <p>allow use of standard symbols</p> <p>e.g.</p> <ul style="list-style-type: none"> • take repeats and average • use of appropriately sized measuring cylinder • make sure no water splashes out • read volume of water from bottom of meniscus • read at eye level to reduce parallax error 	5

Total for question 4 = 5 marks