**End of Unit Test** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Construction and Loci - FOUNDATION**

**Q1.** Using a ruler and a protractor, draw this triangle accurately.

Not drawn accurately.

**(Total 3 marks)**

**Q2.**  A solid cuboid is made from **centimetre cubes**.

How many centimetre cubes were used to make the cuboid?

Answer ...................................................................................

**(Total 2 marks)**

**Q3.**  The diagram shows the position of ships *A* and *B*.



(a)     Circle the size of angle *x*

55° 65° 75° 85° 95°

**(1)**

(b)     What is the 3-figure bearing of *B* from *A*?

Answer ........................................ °

**(1)**

**(Total 2 marks)**

**Q4.** The airport is on a bearing of 040° from the Hospital and 270° from the Stadium.

Mark the position of the Airport on the map.

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**(Total 3 marks)**

**Q5.** The map shows the positions of two ships, A and B.



Scale: 1 cm represents 2.5 km

Work out the actual distance between the ships.

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Answer ............................................ km

**(Total 2 marks)**

 **Q6.** The scale on a map is 1 : 20 000. What is the actual distance represented by 1 centimetre?

Give your answer in metres.

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Answer .................................................................. m

**(Total 2 marks)**

**Q7.** You will need a ruler and compasses to answer this question. Construct the angle bisector of angle *A*.



**(Total 3 marks)**

**Q8.** You will need a ruler and compasses to answer this question. Construct the perpendicular bisector of angle XY.



**(Total 3 marks)**

**(Total for test = 20 marks)**