

Numeracy Entry Test Section 2 – Shape, Space and Measures

Put the letter corresponding to your answer in the space provided. Write your choice of answer clearly. If you change your mind, cross out the incorrect answer clearly and insert the correct answer.

Use the space allocated for the question for working. Scrap paper for additional working may be used.

You may not use a calculator.

Name _____

Date _____

Mark awarded out of 15 _____

The above text will be on the front page of the real test which has 15 questions in this section. This sample has **five** questions typical of those to be found in this section.

Topics you should study for this section include:

Metric conversions for mass and length;

Conversion between metric and imperial measures;

Analogue and digital time;

The Theorem of Pythagoras;

Finding angles in a regular polygon;

Calculating the area of triangles and compound shapes;

Properties of polyhedra, such as the number of faces, vertices or edges;

Temperature conversion between Celsius and Fahrenheit;

Calculation of radius, diameter, circumference and area using π ;

Estimation of the mass, length, area or volume of familiar objects.

1 What is 5370mm in metres?

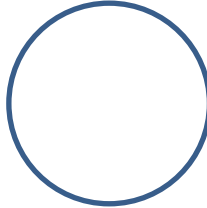
- a) 0.537m b) 0.5037m c) 53.7m d) 5.37m

answer _____

2 When the large hand of a clock moves clockwise from the 6 to the 1 it turns through an angle of:

- a) 180° b) 210° c) 150° d) 35°

This circle may help you.



answer _____

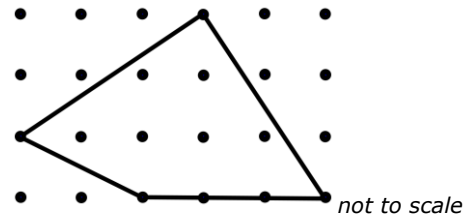
3 A right-angled triangle has sides 5 cm, 12 cm and 13 cm. Its area is:

- a) 30cm^2 b) 15cm^2 c) 60cm^2 d) 10cm^2

answer _____

4 This diagram shows a quadrilateral drawn on a 1cm by 1cm grid of dots.

Calculate the area of this quadrilateral.



- a) 8 cm^2 b) 10 cm^2 c) 9 cm^2 d) 7 cm^2

answer _____

5 To convert between miles and kilometres the relationship of 5 miles is approximately 8 kilometres is sometimes used.

With this conversion 40 kilometres is:

- a) 25 miles b) 40 miles c) 60 miles d) 64 miles

answer _____
