Write your name, centre number and candidate number in the boxes below.

Surname	Other names

Centre number | | | | | |

Candidate number | | | | |

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Converting area and volume units

Time allowed: 25 minutes

Subject code **0580**

Mathematics

Questions from Paper 1, Paper 2 and Paper 4

You must have: a ruler marked in centimetres and millimetres, a protractor, compasses, a pen, an HB pencil and an eraser.
You may use a calculator.

Total marks

/ 20

Instructions

- Answer every question in the space provided on this paper.
- Write in black or dark blue ink. Pencil may be used for diagrams and graphs.
- Fill in your name, centre number and candidate number above.
- Show your working: a correct method can earn marks even if the answer is wrong.
- Unless a question says otherwise, give answers that are not exact to 3 significant figures, and angles in degrees to 1 decimal place.

Information

- This paper has 10 questions worth 20 marks in total.
- The marks for each question or part are shown in brackets, for example [3].

Advice

- Read every question through once before you write anything.
- Use the marks in brackets to judge how long to spend on each part.
- If you finish early, go back and check your working.

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Print at 100% (Actual size) so diagrams keep their real measurements.

1 Change 4.37 litres into cubic centimetres.

..... cm^3 [1]

Converting between units Click for more variations

2 **(a)** Change 0.183 metres to centimetres.

..... cm [1]

(b) Change 12 800 square millimetres to square centimetres.

..... cm^2 [1]

(a) Converting between units (b) Converting between units Click for more variations

3 **(a)** Change 6.54 kilometres into metres.

..... m [1]

(b) Change 7850 cm^3 into litres.

..... litres [1]

(a) Converting between units (b) Converting between units Click for more variations

4 **(a)** Change 645 mm into cm.

..... cm [1]

(b) Change 4.1 m^3 into cm^3.

..... cm^3 [1]

(a) Converting between units (b) Converting between units Click for more variations

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5 Complete the statements.

3.5 kg = ... g

1.4 m^2 = ... cm^2 [2]

Converting between units Click for more variations

6 Complete each statement.

(a) 0.0000047 m^2 = ... cm^2.

[1]

(b) 8500 cm^3 = ... litres.

[1]

(a) Area and volume units (b) Converting between units Click for more variations

7 **(a)** Convert 780 cm^2 into m^2.

..... m^2 [1]

(b) Convert 0.037 m^3 into cm^3.

..... cm^3 [1]

(a) Area and volume units (b) Converting between units Click for more variations

8 Change 64 square metres into square millimetres.
Give your answer in standard form.

Answer ..... mm^2 [2]

Calculating in standard form Click for more variations

9 A lake has an area of 63 800 000 000 square metres.

Write this area in square kilometres, correct to 2 significant figures.

Answer ..... km^2 [2]

Converting between units Click for more variations

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10 A water tank in the shape of a cuboid has length 1.5 metres and width 1 metre.
The water in the tank is 60 centimetres deep.

Calculate the number of litres of water in the tank.

..... litres [3]

Volume of cuboids Click for more variations

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