

# IGCSE MATHS

0580/22

PAPER 2

October November-22

Full Solution

## Cambridge IGCSE™

Candidate  
name

Candidate  
number

Candidate  
number

MATHEMATICS

Paper 2 (Extended)

0580/22

October/November 2022

1 hour 45 minutes

You must answer on the question paper.

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**Solved**

### INSTRUCTIONS

- Answer all questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answers to each question in the spaces provided.
- Do not use an erasable pen or correction fluid.
- Do not write on any bar codes.
- Any rough work should be done on separate paper.

1. Solve the simultaneous equations by the method of elimination.

$$\begin{cases} 2x + 3y = 12 \\ 3x - 2y = 17 \end{cases}$$

2. The diagram shows three triangles, A, B and C.

3. The diagram shows a circle with centre O. The points A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z are marked on the circumference.

4. The diagram shows a circle with centre O. The points A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z are marked on the circumference.

5. The table shows the number of books sold by a school library.

Category	Books sold
Novels	120
Comics	80
Reference	50
Non-fiction	30

6. The diagram shows a circle with centre O. The points A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z are marked on the circumference.

# Math 0580 October November P42 2013

**Jiyuan Zhang**



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