

IGCSE MATHS

0580/22

PAPER 2

October November-22

Full Solution

Cambridge IGCSE™

Candidate
name

Candidate
number

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MATHEMATICS

Paper 2 (Extended)

0580/22

October/November 2022

1 hour 45 minutes

You must answer on the question paper.

For help, read: General Instructions

Solved

INSTRUCTIONS

- Answer all questions.
- Use a pencil in both hand parts. 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.

$$\begin{cases} 2x + 3y = 12 \\ 3x + 2y = 10 \end{cases}$$

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 are on the circumference. The angles are marked as follows: $\angle AOB = 120^\circ$, $\angle BOC = 80^\circ$, $\angle COD = 100^\circ$, $\angle DOE = 60^\circ$, $\angle EOF = 40^\circ$.

4. The table shows information about different species.

Species	Number of species	Area
Species A	10	100
Species B	20	200
Species C	30	300

Species A

$$10 \times 100 = 1000$$
$$20 \times 200 = 4000$$
$$30 \times 300 = 9000$$

With Species A, B and C

$$1000 + 4000 + 9000 = 14000$$

Species B

$$1000 + 4000 + 9000 = 14000$$
$$14000 \div 100 = 140$$

Igcse Math Paper 23

M Lipman



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