

IGCSE MATHS

0580/22

PAPER 2

October November-22

Full Solution

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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, visit: [Cambridge International](https://www.cambridgeinternational.org)

Solved

INSTRUCTIONS

- Answer all questions.
- Use a pencil in this test paper. 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 in your candidate's name 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, G, H, I, J are marked on the circumference. The angles are given as follows:

- $\angle AOB = 40^\circ$
- $\angle BOC = 50^\circ$
- $\angle COD = 60^\circ$
- $\angle DOE = 70^\circ$
- $\angle EOF = 80^\circ$
- $\angle FOG = 90^\circ$
- $\angle GOH = 100^\circ$
- $\angle HOI = 110^\circ$
- $\angle IOJ = 120^\circ$

10. The table shows the number of people who attended the match.

Category	Number of people	Percentage
Adults	120	40%
Children	80	27%

Total = 200

Percentage = 40%

120 = 40%

120 = 40%

120 = 40%

120 = 40%

120 = 40%

120 = 40%

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VM Jensen



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