

IGCSE MATHS

0580/22

PAPER 2

October November-22

Full Solution

Cambridge IGCSE™

Candidate
name

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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 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. The diagram shows the number of items in a box of 100 items, each of which is either a red or a blue item.

(a) Find the number of red items in the box. **Answer: 32** (4)

(b) Find the number of blue items in the box. **Answer: 68** (4)

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

(a) Find the size of the angle x . **Answer: 110°** (2)

(b) Find the size of the angle y . **Answer: 110°** (2)

3. The table shows the number of items in a box.

Number of items	Frequency
1	2
2	3
3	4
4	5
5	6

Find the

mean of the

items in the

box. **Answer: 3.2**

Find the

standard deviation

of the items in the

box. **Answer: 1.4**

4. The diagram shows a circle with centre O. The points A, B, C and D are on the circumference of the circle. The angle AOB is 120° and the angle COD is 100° . The angle AOC is 140° and the angle BOD is 110° . Find the size of the angle AOD. **Answer: 115°**

Mathematic October November Paper 42 2013

Marcel A. Müller



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