

IGCSE MATHS

0580/22

PAPER 2

October November-22

Full Solution

Cambridge IGCSE™

Candidate
name

Candidate
number

Candidate
number

MATHEMATICS

0580/22

Paper 2 (Extended)

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 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. 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.

(b) Find the number of blue items in the box.

(c) Find the number of items in the box which are neither red nor blue.

(d) Find the number of items in the box which are either red or blue.

(e) Find the number of items in the box which are neither red nor blue.

(f) Find the number of items in the box which are either red or blue.

(g) Find the number of items in the box which are neither red nor blue.

(h) Find the number of items in the box which are either red or blue.

(i) Find the number of items in the box which are neither red nor blue.

(j) Find the number of items in the box which are either red or blue.

(k) Find the number of items in the box which are neither red nor blue.

(l) Find the number of items in the box which are either red or blue.

(m) Find the number of items in the box which are neither red nor blue.

(n) Find the number of items in the box which are either red or blue.

(o) Find the number of items in the box which are neither red nor blue.

(p) Find the number of items in the box which are either red or blue.

(q) Find the number of items in the box which are neither red nor blue.

(r) Find the number of items in the box which are either red or blue.

(s) Find the number of items in the box which are neither red nor blue.

(t) Find the number of items in the box which are either red or blue.

(u) Find the number of items in the box which are neither red nor blue.

(v) Find the number of items in the box which are either red or blue.

(w) Find the number of items in the box which are neither red nor blue.

(x) Find the number of items in the box which are either red or blue.

(y) Find the number of items in the box which are neither red nor blue.

(z) Find the number of items in the box which are either red or blue.

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

Item	Red	Blue
1	1	1
2	1	1
3	1	1
4	1	1
5	1	1
6	1	1
7	1	1
8	1	1
9	1	1
10	1	1
11	1	1
12	1	1
13	1	1
14	1	1
15	1	1
16	1	1
17	1	1
18	1	1
19	1	1
20	1	1
21	1	1
22	1	1
23	1	1
24	1	1
25	1	1
26	1	1
27	1	1
28	1	1
29	1	1
30	1	1
31	1	1
32	1	1
33	1	1
34	1	1
35	1	1
36	1	1
37	1	1
38	1	1
39	1	1
40	1	1
41	1	1
42	1	1
43	1	1
44	1	1
45	1	1
46	1	1
47	1	1
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49	1	1
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52	1	1
53	1	1
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56	1	1
57	1	1
58	1	1
59	1	1
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61	1	1
62	1	1
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65	1	1
66	1	1
67	1	1
68	1	1
69	1	1
70	1	1
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84	1	1
85	1	1
86	1	1
87	1	1
88	1	1
89	1	1
90	1	1
91	1	1
92	1	1
93	1	1
94	1	1
95	1	1
96	1	1
97	1	1
98	1	1
99	1	1
100	1	1

(a) Find the number of red items in the box.

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(z) Find the number of items in the box which are either red or blue.

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**Karen Morrison, Julia Smith, Pauline
McLean, Rachael Horsman, Nick Asker**

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Table of Contents Igcse Math 2013 23

1. Understanding the eBook Igcse Math 2013 23
 - The Rise of Digital Reading Igcse Math 2013 23
 - Advantages of eBooks Over Traditional Books
2. Identifying Igcse Math 2013 23
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Igcse Math 2013 23
 - User-Friendly Interface
4. Exploring eBook Recommendations from Igcse Math 2013 23
 - Personalized Recommendations
 - Igcse Math 2013 23 User Reviews and Ratings
 - Igcse Math 2013 23 and Bestseller Lists

5. Accessing Igcse Math 2013 23 Free and Paid eBooks
 - Igcse Math 2013 23 Public Domain eBooks
 - Igcse Math 2013 23 eBook Subscription Services
 - Igcse Math 2013 23 Budget-Friendly Options
6. Navigating Igcse Math 2013 23 eBook Formats
 - ePub, PDF, MOBI, and More
 - Igcse Math 2013 23 Compatibility with Devices
 - Igcse Math 2013 23 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Igcse Math 2013 23
 - Highlighting and Note-Taking Igcse Math 2013 23
 - Interactive Elements Igcse Math 2013 23
8. Staying Engaged with Igcse Math 2013 23
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Igcse Math 2013 23
9. Balancing eBooks and Physical Books Igcse Math 2013 23
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Igcse Math 2013 23
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Igcse Math 2013 23
 - Setting Reading Goals Igcse Math 2013 23
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Igcse Math 2013 23
 - Fact-Checking eBook Content of Igcse Math 2013 23
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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