

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 30 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 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
48	1	1
49	1	1
50	1	1
51	1	1
52	1	1
53	1	1
54	1	1
55	1	1
56	1	1
57	1	1
58	1	1
59	1	1
60	1	1
61	1	1
62	1	1
63	1	1
64	1	1
65	1	1
66	1	1
67	1	1
68	1	1
69	1	1
70	1	1
71	1	1
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73	1	1
74	1	1
75	1	1
76	1	1
77	1	1
78	1	1
79	1	1
80	1	1
81	1	1
82	1	1
83	1	1
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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Xiaolong Qi



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