

Cambridge IGCSE™

INFORMATION AND COMMUNICATION TECHNOLOGY**0417/31**

Paper 3 Spreadsheets and Website Authoring

May/June 2025**MARK SCHEME**

Maximum Mark: 70

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the May/June 2025 series for most Cambridge IGCSE, Cambridge International A and AS Level components, and some Cambridge O Level components.

This document consists of **8** printed pages.

Generic Marking Principles

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptions for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

- the specific content of the mark scheme or the generic level descriptors for the question
- the specific skills defined in the mark scheme or in the generic level descriptors for the question
- the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always **whole marks** (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

- marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
- marks are awarded when candidates clearly demonstrate what they know and can do
- marks are not deducted for errors
- marks are not deducted for omissions
- answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently, e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

| Task | Answer | Marks |
|---|--|-------|
| For Task 1 see below for example of folder screenshot. | | |
| 1 | Screenshot includes folder name, frame height and width, image dimensions, file names, file extensions and sizes | 1 |

| Task | Answer | Marks |
|---|--------------------------------------|-------|
| For Task 2 see below for example of HTML and browser view. | | |
| 2 | Table width=90% | 1 |
| | Single table used | 1 |
| | Table borders visible in the browser | 1 |
| | No letters visible | 1 |
| | Row 1 – colspan="2" | 1 |
| | Rows 3 and 4 – colspan="2" | 1 |

| Task | Answer | Marks |
|---|---|-------|
| For Task 3 see below for example of HTML 8 | | |
| 3 | Head section - title Tawara Racing | 1 |

| Task | Answer | Marks |
|---|--|-------|
| For Task 4 see below for example of HTML and browser view. | | |
| 4 | Top row - TRBanner.png | 1 |
| | Row 2 left - Video visible | 1 |
| | video <...> tag used with... | 1 |
| | ... loop attribute | 1 |
| | source<...> tag used with src="TRvideo.mp4" ... | 1 |
| | ... type="video/mp4" | 1 |
| | Appropriate error message between <video> and </video> | 1 |

| Task | Answer | Marks |
|--|---|-------|
| For Task 5 see below for example of browser view. | | |
| 5 | Row 2 right – text from source file 100% accurate ... | 1 |
| | ... set in style h3 | 1 |

| Task | Answer | Marks |
|---|---|-------|
| For Task 6 see below for example of HTML and browser view. | | |
| 6 | Row 3 – Click here to find out more about our exciting developments, or here for job opportunities. | 1 |
| | Row 4 – Web page created by: ... | 1 |
| | ... new line then name and numbers ... | 1 |
| | Rows 3 and 4 – all set in style h2 | 1 |

| Task | Answer | Marks |
|--|---|-------|
| For Task 7 see below for example of HTML. | | |
| 7 | Anchor set around exciting developments | 1 |
| | <a href="TRdevelop.htm" ... | 1 |
| | ... target="_blank"> | 1 |
| | Anchor set around job opportunities | 1 |
| | <a href="mailto:Tawara.Racing@cambridge.org ... | 1 |
| | ... ?subject=Job opportunities"> | 1 |

| Task | Answer | Marks |
|---|--|-------|
| For Task 8 see below for example of html and browser view. | | |
| 8 | TRracing.css attached in head section | 1 |
| | Table – borders seen separated in browser view | 1 |

| Task | Answer | Marks |
|--|-------------------------------------|-------|
| For Task 9 see below for example of browser view. | | |
| 9 | In web browser with address visible | 1 |

| Task | Answer | Marks |
|--|--|-------|
| For Task 10 see below for example of spreadsheet. | | |
| 10 | Text Created by : with space then name, centre and candidate number right aligned in header | 1 |
| | Text Created on : with space then with automated date in footer ... | 1 |
| | ... with space, the text at another space and the automated time in the footer | 1 |

| Task | Answer | Marks |
|---|---|-------|
| For Task 11 see below for example of spreadsheet formulae. | | |
| 11 | Missing lap numbers replicated into column A down to lap 40 | 1 |

| Task | Answer | Marks |
|--|----------------------------|-------|
| For Task 12 see below for example of spreadsheet formulae & values. | | |
| 12 | Cell F14 =60*C14 | 1 |
| | +D14 | 1 |
| | +E14... | 1 |
| | ... /1000 | 1 |
| | Formatted to 3dp | 1 |
| | Replicated to lap 40 | 1 |

| Task | Answer | Marks |
|---|---|-------|
| For Task 13 see below for example of spreadsheet formulae. | | |
| 13 | 10 rows inserted between rows 1 and 2 ... | 1 |
| | ... text from H13:H20 moved to A3:A10 | 1 |

| Task | Answer | Marks |
|---|--|-------|
| For Task 14 see below for example of spreadsheet values. | | |
| 14 | Cells A1:F1 and A10:F10 merged | 1 |
| | Merged cell A1 black 36 point sans-serif font on yellow background ... | 1 |
| | ... wrapped as shown | 1 |
| | Borders as shown | 1 |
| | Rows 1, 12 and 13 centre aligned horizontally | 1 |
| | Row 13 centre aligned vertically | 1 |
| | Row 13 wrapped as shown | 1 |
| For Task 15 see below for example of spreadsheet values. | | |
| 15 | Cell B3 =MIN(...) | 1 |
| | ... F14:F53 | 1 |
| For Task 16 see below for example of spreadsheet values. | | |
| 16 | Cell B4 =MAX(F14:F53) | 1 |
| For Task 17 see below for example of spreadsheet values. | | |
| 17 | Cell B5 =AVERAGE(F14:F53) | 1 |
| For Task 18 see below for example of spreadsheet values. | | |
| 18 | Cell B6 =COUNTIF(...) | 1 |
| | ... B14:B53 ... | 1 |
| | ... , "On" | 1 |

| Task | Answer | Marks |
|---|---|-------|
| For Task 19 see below for example of spreadsheet values. | | |
| 19 | Cell B7 =COUNTIF(B14:B53,"Off") | 1 |

| Task | Answer | Marks |
|---|-------------------------------------|-------|
| For Task 20 see below for example of spreadsheet formulae. | | |
| 20 | Cell B8 =AVERAGEIF(...) | 1 |
| | ... B14:B53 ... | 1 |
| | ... , "On" ... | 1 |
| | ,F14:F53 | 1 |

| Task | Answer | Marks |
|---|---|-------|
| For Task 21 see below for example of spreadsheet formulae. | | |
| 21 | Cell B9 =AVERAGEIF(B14:B53, ...) | 1 |
| | ..., "Off" ,F14:F53 | 1 |

| Task | Answer | Marks |
|---|-------------------------------|-------|
| For Task 22 see below for example of spreadsheet formulae. | | |
| 22 | Cell B10 =IF(...) | 1 |
| | ... B8<B9 ... | 1 |
| | ... , "SC success" ... | 1 |
| | ... , "SC failed" | 1 |

| Task | Answer | Marks |
|---|--|-------|
| For Task 23 see below for example of formulae spreadsheet. | | |
| 23 | Formulae printout – All cells fully visible | 1 |
| | Formulae printout – Landscape orientation with row and column headings | 1 |

| Task | Answer | Marks |
|--|---|-------|
| For Task 24 see below for example of values spreadsheet and selection method. | | |
| 24 | Values printout – Portrait, fully visible, single page, no row and column headings. | 1 |