| (a) Answer part (a) here. [4] | (c) Develop and sketch th   | ree separate ideas.  | [12]  |                   |                  |                    |
|-------------------------------|-----------------------------|----------------------|---|-------------------|------------------|--------------------|
| 1                             |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
| 2                             |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
| 3                             |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
| 4                             |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
| (b) Answer part (b) here. [4] |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  |                    |
|                               |                             |                      |   |                   |                  | continued overleaf |
|                               |                             | Answer Sheet 1 of 2  |   | me in the enesses | Centre number    | For Examiner's Use |
| Cambridge IGCSF™              | * 3 6 6 0 6 6 9 4 2 1 - I * | provided on this she | umber, candidate number and name and sheet and sheet 2. |                   | Candidate number |                    |
|                               |                             |                      |   |                   |                  |                    |

0445/11

October/November 2023

## Campriage IGCSE

**DESIGN & TECHNOLOGY** 

Paper 1 Product Design Answer Sheet 1 of 2

Write the number of the question you have answered in the space provided. Sufficient space is provided for your answers on the two answer sheets so there is no need to use other sheets.

| Centre number    | Fo<br>U: |
|------------------|----------|
| Candidate number |          |

Question number .....

| part (c) continued. | (d) Evaluate your ideas.                                   |
|---------------------|--|
|                     | ldea 1   |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     | ldea 2   |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     | ldea 3   |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     |  |
|                     | Choose <b>one</b> idea to develop and justify your choice. |
|                     | Chosen idea  |
|                     | Justification  |
|                     |  |
|                     |  |
|                     |  |
|                     | [8]  |
|                     |  |
|                     |  |

| (e) Draw the full solution to the problem here. Include construction details and important dimensions. | [12]                          |   |                  |                       |
|--|-------------------------------|---|------------------|-----------------------|
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               |   |                  |                       |
|  |                               | Answer Sheet 2 of 2. Write your control number, candidate number and name in the spaces   | Centre number    | For Examiner's<br>Use |
| Cambridge IGCSE <sup>™</sup>   | * 3 6 6 0 6 6 9 4 2 1 - I I * | Write your centre number, candidate number and name in the spaces provided on this sheet and sheet 1. Write the number of the question you have answered in the space provided. | Candidate number |                       |
| DESIGN & TECHNOLOGY  | 0445/11                       | Sufficient space is provided for your answers on the two answer sheets so there is no need to use other sheets.   | Name             |                       |
| Paper 1 Product Design  Answer Sheet 2 of 2  | October/November 2023         |   | Question number  |                       |

© UCLES 2023 DC (LK) 315857/1

| (f) A | nswer part (f) here. [4]        | There is no need to write or draw here unless you wish to continue part of a question. The question number(s) must be clearly shown. |
|-------|---------------------------------|--|
| 1     | . Material                      | or a question. The question name of (e) must be deally shown.  |
|       | Reason                          |  |
|       |                                 |  |
| 2     |                                 |  |
|       | Reason                          |  |
|       |                                 |  |
|       |                                 |  |
| (g) A | nswer <b>part (g)</b> here. [6] |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |
|       |                                 |  |