| (a)                          | Answer part (a) here. [4]             | (c) Develop and sketch th                   | ree separate ideas.   | [12]                                  |                    |                    |
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| (b)                          | Answer part (b) here. [4]             |   |   |                                       |                    |                    |
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|                              |                                       | -   | Answer sheet 1 of 2   | 2.                                    | Centre number      | For Examiner's Use |
| Cambridge IGCSE <sup>™</sup> |                                       | Write your centre nu                        | Write your centre number, candidate number and name in the spaces         |                                       |                    |                    |
|                              |                                       | provided on this she<br>Write the number of | f the question you have answered in the space provided.                   | Candidate number                      |                    |                    |
|                              |                                       | Sufficient space is p                       | Sufficient space is provided for your answers on the two answer sheets so | Name                                  |                    |                    |
|                              | SIGN & TECHNOLOGY er 1 Product Design | 0445/11<br>May/June 2022                    | THOIS IS NO HEED TO   | there is no need to use other sheets. | Ourseties would be |                    |
|                              | nswer sheet 1 of 2                    | may/oune 2022                               |   |                                       | Question number    |                    |
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| part (c) continued. | (d) Evaluate your ideas.                            |     |
|---------------------|---|-----|
|                     | ldea 1  |     |
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|                     | Idea 2  |     |
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|                     | ldea 3  |     |
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|                     | Choose one idea to develop and justify your choice. |     |
|                     | Chosen idea   |     |
|                     |   |     |
|                     | Justification                                       |     |
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|                     |   | [8] |
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| (e) Draw the full solution to the problem here. Include construction details and important dimensions. | [12]          |   |                  |                       |
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|  |               | Answer sheet 2 of 2. Write your centre number, candidate number and name in the spaces  | Centre number    | For Examiner's<br>Use |
| Cambridge IGCSE <sup>™</sup> DESIGN & TECHNOLOGY   | 0445/11       | provided on this sheet and sheet 1.  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. | Candidate number |                       |
| Paper 1 Product Design  Answer sheet 2 of 2  | May/June 2022 |   | Question number  |                       |

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Answer sheet 2 of 2 [Turn over

| (f) Answer part (f) here. [4] |   | There is no need to write or draw here unless you wish to of a question. The question number(s) must be clearly shown | continue part |
|-------------------------------|---|---|---------------|
| 1. Material                   |   |   |               |
| Reason                        |   |   |               |
|                               |   |   |               |
| 2. Material                   |   |   |               |
| Reason                        |   |   |               |
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| (g) Answer part (g) here. [6] |   |   |               |
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