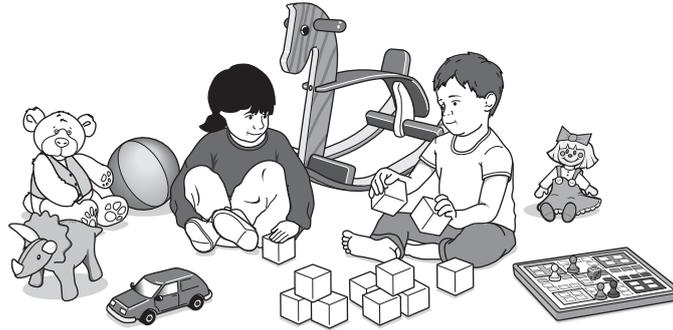


Answer **all** parts of the question on the A3 pre-printed answer sheets provided.

- 1 Children have lots of toys and games that need to be stored.



Design a storage unit, based on a cartoon character, that would encourage children to put away toys and games when they have finished playing with them.

- (a) List **four** additional points about the function of such a storage unit that you consider to be important. [4]
- (b) Use sketches and notes to show **two** ways that could be used to attach a lid or a door to such a storage unit. [4]
- (c) Develop and sketch **three** separate ideas for the storage unit. [12]
- (d) Evaluate your three ideas. Choose **one** idea to develop further and justify your choice. [8]
- (e) Draw, using a method of your own choice, a full solution to the design problem. Include construction details and important dimensions. [12]
- (f) Suggest **two** suitable specific materials for the solution you have drawn in part (e) and give reasons for your choice. [4]
- (g) Outline a method that could be used to manufacture **one** part of your solution drawn in part (e). Include the names of the tools used. [6]

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