Dirty clothes are sometimes left around untidily in bathrooms.

Design a unit that could be used to store dirty clothes in a bathroom. It must have three sections for different types of clothing.

(a) List four additional points about the function of such a unit that you consider to be important.

(b) Use sketches and notes to show two ways by which divisions could be formed in a storage unit.

(c) Develop and sketch three ideas for the unit.

(d) Evaluate your ideas and justify why you have chosen one idea to develop more fully.

(e) Draw, using a method of your own choice, a full solution to the problem. Include construction details and major dimensions.

(f) Suggest suitable specific materials for your solution and give reasons for your choice.

(g) Outline a method used to manufacture one part of your solution in the school workshop.
Some shops find it difficult to attract the attention of customers in large shopping malls.

Design an advertising unit that will attract customers to the laundry. The unit must be easily transportable.

(a) List four additional points about the function of such a unit that you consider to be important. [4]

(b) Use sketches and notes to show two flexible joints that could be used on card and other lightweight materials. [4]

(c) Develop and sketch three ideas for the unit. [12]

(d) Evaluate your ideas and justify why you have chosen one idea to develop more fully. [8]

(e) Draw, using a method of your own choice, a full solution to the problem. Include construction details and major dimensions. [12]

(f) Suggest suitable specific materials for your solution and give reasons for your choice. [4]

(g) Outline a method of producing a prototype of your solution in the school graphics studio. [6]
3 It is sometimes difficult to get to a washing line in order to hang out clothes in a small garden.

Design a modification to the washing line that would allow a person to use its full length.

(a) List four additional points about the function of such a modification that you consider to be important. [4]

(b) Use sketches and notes to show two mechanisms that might form part of a modification of this type. [4]

(c) Develop and sketch three ideas for the modification. [12]

(d) Evaluate your ideas and justify why you have chosen one idea to develop more fully. [8]

(e) Draw, using a method of your own choice, a full solution to the problem. Include construction details and major dimensions. [12]

(f) Suggest suitable materials for your solution and give reasons for your choice. [4]

(g) Outline a method used to manufacture one part of your solution in the school workshop. [6]