

## Answers and marking guidance

Award one mark per correct, developed point unless stated. Other valid answers should be credited.

### 2 Describe the purpose of a performance specification and give two examples of what it contains.

- States how the product must perform without saying how it will be designed or made
- Used to test the product and prove it meets requirements
- Example: British/European standards it must meet (e.g. BS EN for toys)
- Example: legislation and safety requirements
- Example: measurable performance targets, e.g. load it must support, battery life

**No marks for:** Describing a product design specification

### 3 Quick check

- a) It must fit a 40 mm diameter water bottle
- b) Performance
- c) Technical
- d) Wall thickness of 2.5 mm in ABS

### 4 Key terms

- 1 – A
- 2 – B
- 3 – C

### 5 Explain what is meant by 'Product design specification'.

- Written before designing. Sets parameters and direction; includes function, aesthetics, cost, target market, quantity, environment of use.

### 6 Explain what is meant by 'Technical specification'.

- Written after designing. Technical detail to manufacture it: materials, processes, assembly, dimensions, costs.