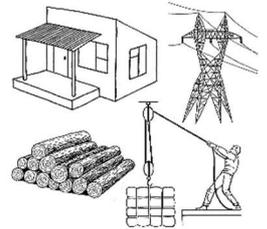




# Conquesta 2019

(International Multiple Choice Primary School Olympiads – Est. 1998)  
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## Technology – Grade 8

Welcome to your Conquesta Olympiad. When you have decided which of the answers is correct, scratch out the letter in the matching square on your answer sheet. Example:- If the answer to question 4 is c, then scratch out the letter c in the square containing c next to the number 4 (see example 1 below). If you've made a mistake and b should have been the answer, neatly cross out the mistake and then scratch out b (see example 2 below).

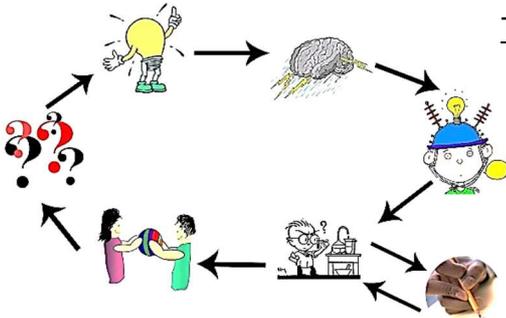
Example 1:- 

4.	a	b	<del>c</del>	d
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 Example 2:- 

4.	a	<del>b</del>	<del>c</del>	d
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### The Design Process Skills

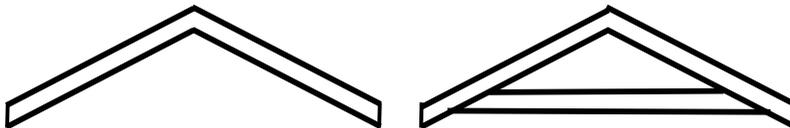


1. In technology, investigating and using well thought out methods to solve problems, is called .....
- (a) technical drawing.
  - (b) the technology question.
  - (c) the technology design process.
  - (d) technology training.

2. A design brief is .....
- (a) a short, clear statement that describes what you intend to do to solve a problem.
  - (b) a list of targets a designer wants to achieve.
  - (c) limits that affect the design.
  - (d) type of briefcase.

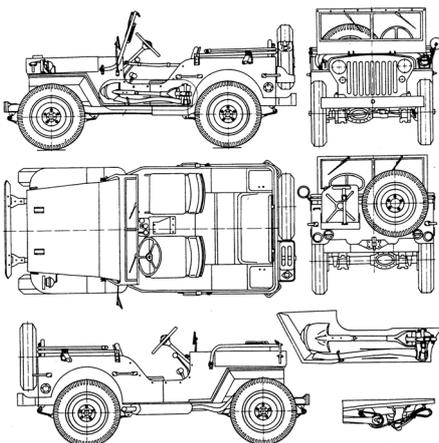
3. An example of a specification, as included in a design brief, is that .....
- (a) you have two hours to complete the task.
  - (b) the pulley must lift a load of 500 g to a height of 1 m.
  - (c) you must not waste materials.
  - (d) you may only work in groups of four learners.

Look at the two trusses below for question 4.



- (i) The truss with a beam will not be able to carry the weight of the tiles.
- (ii) The truss with a beam will withstand the force because the beam will tie/strengthen the truss in order to prevent it from sagging under the force of the tiles.
- (iii) The truss without a beam will not be able to carry the weight of the tiles and will eventually sag.
- (iv) The truss without a beam will withstand the force.

4. A short evaluation of the two trusses is in the notes above. It explains which truss will be the most suitable to support the tile roof of the house. Which two are correct?
- (a) i and iii.
  - (b) iii and iv.
  - (c) ii and iv.
  - (d) ii and iii.



5. 'Enhancing of drawings' means .....
- (a) adding colour, texture and shading to the drawings.
  - (b) making the drawings bigger.
  - (c) framing the drawings.
  - (d) making the drawings on coloured paper.

6. The illustration on the left is used to show how to draw objects in a/an .....
- (a) isometric drawing.
  - (b) perspective drawing.
  - (c) oblique drawing.
  - (d) orthographic drawing.

