

Choose the word or phrase which best completes each sentence

____ / 10

The golden rule in engineering is not to _____ (1) drawings. Although drawings should be drawn _____ (2), there may have been errors in the drawing or printing process, which could lead to _____ (3) dimensions being measured, especially in situations where dimensions need to be very _____ (4). Generally, only dimensions that have been _____ (5) in writing should be used. If dimensions are not stated, it is normal practice to _____ (6) the information from the engineer who produced the drawing.

- | | | | | |
|---|---------------|---------------|---------------|----------------|
| 1 | a. scale off | b. scale from | c. scale to | d. scale of |
| 2 | a. scale | b. full-scale | c. to scale | d. in scale |
| 3 | a. inaccurate | b. accurate | c. unaccurate | d. disaccurate |
| 4 | a. precision | b. precisely | c. imprecise | d. precise |
| 5 | a. measured | b. scaled | c. specified | d. written |
| 6 | a. request | b. question | c. advise | d. clarify |

On many engineering projects it is almost impossible to get designs right first time. Especially, when there are large _____ (7) of drawings – for different structural, mechanical and electrical components in a building or a vehicle. This invariably results in _____ (8) and contradicting information between different drawings. Consequently, the production team brings technical problems to the attention of the design team and the design team _____ (9) the design to resolve the problems. This communication process can take place verbally, but is often supported with formal _____ (10), for record purposes.

- | | | | | |
|----|-------------------|--------------|-----------------|-----------------|
| 7 | a. figures | b. numbers | c. dimensions | d. sizes |
| 8 | a. clashes | b. conflicts | c. circulations | d. solutions |
| 9 | a. accepts | b. specifies | c. solves | d. amends |
| 10 | a. correspondence | b. meeting | c. presentation | d. conversation |

Underline the option which is appropriate to complete the sentences below

____/10

0. A(n) *elevation/cross-section/plan* gives a view from above.
1. *Cross-section/ specification/ plan* is not a type of drawing.
2. A(n) *elevation/ cross-section/ exploded view* is not a detail drawing.
3. *Electrical circuits/ networks/ a joint between two components* cannot be shown on a schematic.
4. *Scale/ precision/ tolerance* is the acceptable difference between ideal designed size and actual size.
5. ± 1 mm is a *tight/ loose/ close* tolerance for metalworking.
6. The diameter is the maximum *wide/weight/width* of a circle.
7. A *sketch/ preliminary drawing/ working drawing* is not a detailed drawing.
8. *Sketches/ preliminary drawings/ working drawings* are used for manufacturing.
9. A design brief specifies *design objectives/ design phases/ design problems*.
10. Preliminary drawings are submitted to the client for *revision/ update/ approval*.