

## 17 Multiple choice questions

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1. figures that have the same shape, with matching sides in the same ratio
  - a. minute
  - b. scale diagram
  - c. scale factor
  - d. similar figures
2. a drawing of an object , usually smaller, whose lengths are in the same ratio as the actual lengths of the object
  - a. similar figures
  - b. scale factor
  - c. scale diagram
  - d. true bearing
3. the action or fact of making something smaller or less in amount, degree, or size
  - a. adjacent
  - b. ratio
  - c. reduction
  - d. minute
4. the unit of measurement for angles
  - a. minute
  - b. cosine
  - c. degree
  - d. sine
5. a direction expressed as a three-digit angle measured clockwise starting from north
  - a. compass bearing
  - b. true bearing
  - c. tangent
  - d. ratio
6. a direction shown by points on a compass, such as north (N), south (S), west (W), east (E), NE, NW, SE and SW
  - a. true bearing
  - b. scale factor
  - c. compass bearing
  - d. cosine



7. the longest side of a right-angled triangle
  - a. cosine
  - b. hypotenuse
  - c. minute
  - d. degree
8. a ratio in a right-angled triangle of the adjacent side divided by the hypotenuse
  - a. sine
  - b. cosine
  - c. ratio
  - d. degree
9. a ratio in a right-angled triangle of the opposite side divided by the adjacent side
  - a. cosine
  - b. adjacent
  - c. sine
  - d. tangent
10. a measure of angle size; equal to one-sixtieth of a degree
  - a. cosine
  - b. degree
  - c. sine
  - d. minute
11. a ratio in a right-angled triangle of the opposite side divided by the hypotenuse
  - a. sine
  - b. ratio
  - c. cosine
  - d. minute
12. in a right-angled triangle, the square on the hypotenuse is equal to the sum of the squares of the two shorter sides
  - a. similar figures
  - b. Pythagoras' Theorem
  - c. scale diagram
  - d. true bearing



13. a relationship between quantities that are measured in the same units e.g. 5:1
- a. reduction
  - b. ratio
  - c. cosine
  - d. sine
14. the ratio of image length over object length for a pair of similar figures
- a. adjacent
  - b. scale factor
  - c. scale diagram
  - d. reduction
15. the angle between the horizontal and the line of sight, looking up
- a. angle of depression
  - b. angle of elevation
  - c. true bearing
  - d. scale factor
16. next to
- a. ratio
  - b. degree
  - c. tangent
  - d. adjacent
17. the angle between the horizontal and the line of sight, looking down
- a. angle of elevation
  - b. true bearing
  - c. angle of depression
  - d. scale factor