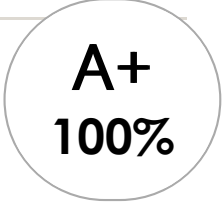


## 17 Multiple choice questions



**A+**  
**100%**

1. figures that have the same shape, with matching sides in the same ratio
  - a. minute
  - b. scale diagram
  - c. scale factor
  - d. **CORRECT: 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. **CORRECT: 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. **CORRECT: reduction**
  - d. minute
  
4. the unit of measurement for angles
  - a. minute
  - b. cosine
  - c. **CORRECT: degree**
  - d. sine
  
5. a direction expressed as a three-digit angle measured clockwise starting from north
  - a. compass bearing
  - b. **CORRECT: 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
- true bearing
  - scale factor
  - CORRECT: compass bearing**
  - cosine
7. the longest side of a right-angled triangle
- cosine
  - CORRECT: hypotenuse**
  - minute
  - degree
8. a ratio in a right-angled triangle of the adjacent side divided by the hypotenuse
- sine
  - CORRECT: cosine**
  - ratio
  - degree
9. a ratio in a right-angled triangle of the opposite side divided by the adjacent side
- cosine
  - adjacent
  - sine
  - CORRECT: tangent**
10. a measure of angle size; equal to one-sixtieth of a degree
- cosine
  - degree
  - sine
  - CORRECT: minute**
11. a ratio in a right-angled triangle of the opposite side divided by the hypotenuse
- CORRECT: sine**
  - ratio
  - cosine
  - 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
- similar figures
  - CORRECT: Pythagoras' Theorem**
  - scale diagram
  - true bearing
13. a relationship between quantities that are measured in the same units e.g. 5:1
- reduction
  - CORRECT: ratio**
  - cosine
  - sine
14. the ratio of image length over object length for a pair of similar figures
- adjacent
  - CORRECT: scale factor**
  - scale diagram
  - reduction
15. the angle between the horizontal and the line of sight, looking up
- angle of depression
  - CORRECT: angle of elevation**
  - true bearing
  - scale factor
16. next to
- ratio
  - degree
  - tangent
  - CORRECT: adjacent**
17. the angle between the horizontal and the line of sight, looking down
- angle of elevation
  - true bearing
  - CORRECT: angle of depression**
  - scale factor

