

## Ratio Proportion

### Multiple choice questions

- 1) A ratio equivalent to 3:4 is
  - a) 15 : 20
  - b) 15 : 4
  - c) 4 : 3
  - d) 12 : 20
  
- 2) Length and width of a playground are in ratio 4 : 3. If width is 24 cm, its length will be
  - a) 24 cm
  - b) 32 cm
  - c) 4 cm
  - d) 3 cm
  
- 3) If the first, third and fourth terms of a proportion are 8, 14 and 21 respectively. Then the second term will be
  - a) 8
  - b) 14
  - c) 12
  - d) 21
  
- 4) Mean proportional between 4 and 16 is
  - a) 16
  - b) 32
  - c) 8
  - d) 64
  
- 5) 200 g yogurt and half kg of mango pulp are used to make a smoothie. What is the ratio of yogurt and mango pulp in a smoothie?
  - a) 5 : 2
  - b) 1 : 2
  - c) 5 : 1
  - d) 2 : 5

- 6) In a class test, 40 students have passed out of 100 students. What is the ratio of passed students to failed students?
- a) 2 : 3
  - b) 3 : 2
  - c) 2 : 5
  - d) 3 : 5
- 7) If a, b, c, d are in proportion, then
- a)  $a^2 = bc$
  - b)  $b^2 = ac$
  - c)  $ad = bc$
  - d)  $ac = bd$
- 8) If a, b, c are in continued proportion, then
- a)  $b^2 = ac$
  - b)  $c^2 = ab$
  - c)  $a^2 = bc$
  - d)  $a^2 = b^2$
- 9) A line segment of 21 is divided into two parts in the ratio of 4 : 3. The length of each part is
- a) 40 cm and 3 cm
  - b) 3 cm and 12 cm
  - c) 12 cm and 9 cm
  - d) 9 cm and 4 cm
- 10) Two parts of hydrogen and one part of oxygen form water. The ratio of hydrogen to water is
- a) 1 : 2
  - b) 2 : 1
  - c) 1 : 1
  - d) 2 : 2