

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 mg 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