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