Question 1 to 9 are for Formative Assessment 3

Choose the correct option:

Q1 The ratio of 8 hours to 2 days is
   a) 4:1  
   b) 6:1  
   c) 1:4  
   d) 1:6

Q2 The ratio of complete angle to right angle is
   i) 4:1
   ii) 1:2
   iii) 1:4
   iv) 2:1

Q3 The unit of ratio is expressed in
   a) Metre
   b) Gram
   c) Litre
   d) None

Q4 Find the ratios of the following.
   a) 28 to 42
   b) 3 dozen to 4 scores
   c) 25 paisa to Rs 5
   d) 45 min to 3 hrs
   e) 2m50 cm to 25 cm

Q5 The present age of Ravi and Tanya are 22 years and 16 years respectively. Find the ratio of
   a) Their present ages
   b) Ravi’s age to the difference of their ages
   c) Ravi’s age after 4 years to Tanya’s age 3 years ago
   d) Ravi’s age to that of Tanya’s when she was 5 years old.

Q6 Ritu wants to divide Rs 300 between his two sons Amit and Nitin in the ratio of their ages. If the age of Amit is 12 years and that of Nitin is 8 years. Find the share of each.
Q7 Fill in the blank:
If the ratio of heights of two trees is 3:1, it means that one of the tree is _________ times taller than the other.

Q8 Reema earns Rs.90,000 and saves Rs.30,000. Find the ratio of the money she earns to the money she saves. Mention the value you depict from this.

Q.9 Students of a colony decide to go to an old age home in their vicinity to wish Happy New Year and get blessings from old people. They carried the following items with them:
Bouquets 63, New Year cards 70 and Chocolate Bars 140. Answer the following questions:
(i) What is the ratio of the number of Bouquets to the number of Chocolate Bars?
(ii) What is the ratio of number of cards to the number of sum of all items?
(iii) What is the value depicted by the students?

Question 10 to 17 are for Summative Assessment 2

Q10 Are the following statements true?
 a) $2:5 = 10:25$
 b) $30$ pens : $5$ pens =Rs$48$:Rs$8$
 c) $5Kg:8Kg = 25litres:45litres$
 d) $10m:3m=10hours:2hours$

Q11 Find which of the following are in proportion
 a) $12, \, 16, \, 6, \, 8$
 b) $18, \, 10, \, 9, \, 5$
 c) $18, \, 9, \, 10, \, 5$
 d) $5, \, 10, \, 30, \, 60$

Q12 Cost of one fan is Rs.1450. Amit wants to give fans to a charitable hospital. He has Rs.185000. How many fans he can give to the hospital? Mention the value you depict from this.

Q13 Which is a better buy?
 a) $3 Kg$ tomatoes for Rs.$19.50$ or $7 Kg.$ tomatoes for Rs.$47.75$
 b) $5$ liter oil for Rs.$200$ or $7$ liter oil for Rs.$287.$

Q14 Vipul earns Rs $15000$ in $3$ months
 a) How much will he earn in $5$ months.
 b) In how many months will he earn Rs $95000$?

Q15 Four Dozen bananas cost Rs $110.40$. Find the cost of 25 bananas.

Q16 A cyclist covers a distance of $28$ Km in $2$ hours. Find the distance travelled by the cyclist in $7$ hours?

Q.17 Sapna weighs $54 \, kg$ on earth and $9 \, kg$ on moon. If a monkey weighs $3.5 \, kg$ on moon, then how much will it weigh on the earth?