ASSIGNMENT

Class – 6th   Subject : MATHS

Max Marks: Time   :

CHAPTER - 8

Q.1 Anish made 42 runs in 6 overs and Anup made 63 runs in 7 overs. Who made more runs per over?

Q.2 Raju purchases 10 pens for RS. 150 and Manish buys 7 pens for RS. 84. Can you say who got the pens cheaper?

Q.3 The weight of 72 books is 9 Kg. What is the weight of 40 such books?

Q.4 Cost of 4 dozens bananas is RS. 180. How many bananas can be purchased for RS. 90?

Q.5 Shaina pays RS. 15000 as rent for 3 months. How much does she has to pay for a whole year , if the rent per month remains same?

Q.6 The temperature dropped 15 degree Celsius in the last 30 days. If the rate of temperature drop remains the same , how many degree will the temperature drop in the next ten days?

Q.7 Cost of 5 Kg of wheat is RS. 91.50 –

a. What will be the cost of 8 Kg of wheat?

b. What quantity of wheat can be purchased in RS. 183?

Q.8 If it has rained 276mm in the last 3 days , how many cm of rain will fall in one full week (7 days)? Assume that the rain continues to fall at the same rate?

Q.9 Are the following statement true-

a. 40 persons : 200 persons = RS. 15 : RS. 75

b. 7.5 liters : 15 liters = 5 Kg : 10 Kg

c. 99 Kg : 45 Kg : RS. 44 : RS. 20

Q.10 Present age of father is 42 years and that of his son is 14 years. Find the ratio of-

a. Age of the father to the age of son , when son was 12 years old.

b. Age of father after 10 years to the age of son was after 10 years old.

c. Age of the father to the age of son when father was 30 years old.

Q.11 Out of 1800 students in a school , 750 opted basketball , 800 opted cricket and remaining opted table tennis. If a student can opt only one game , find the ratio of -

a. Number of student who opted basketball to the ratio of number of students who opted table tennis.

b. Number of student who opted cricket to the number of students opting basketball.

c. Number of student who opted basketball to the total number of students.

NTSE - BASED QUESTION

Q.1 A bulb costs RS. 120. How many such bulbs can be bought for RS. 1440?

    a. 15   b. 20   c. 12   d. 35

Q.2 If RS. 760 is divided between A and B ib the ratio 8 : 11 , then B's share is _____

    a. RS. 320   b. RS. 400   c. RS. 440   d. RS. 540

Q.3 The ratio 240cm to a meter in the simplest form is expressed as _____

    a. 5 : 12   b. 12 : 5   c. 24 : 10   d. 10 : 24

Q.4 If 2 , 5 , 8 , x are in proportion , the value of x is _____

    a. 18   b. 20   c. 12   d. 24

Q.5 Aman filled his car petrol tank with 45 liters of petrol on Monday. the next day he filled the tank with 30 liters of petrol. If the petrol costs RS. 49.82 per liter , how much did he spend in all on petrol?

    a. RS. 3736.50   b. RS. 2043.50   c. RS. 2860.50   d. RS. 1899.50

Q.6 A train moves a distance of 80 Km in one hour , while a car moves 75 Km in one hour. Find the ratio of speed of train to the speed of car.

    a. 15 : 16   b. 6 : 5   c. 16 : 15   d. 5 : 6

Q.7 If 40 : x :: 60 : 45 , then value of x is ____

    a. 10   b. 20   c. 30   d. 50

Q.8 The ratio of the length and breadth of a football ground is 3 : 2. Find the length , if the breadth is 32 meters.

a. 16 m   b. 48 m   c. 24 m   d. 40 m

Q.9 If the cost of 25 packets of 12 pencils each is RS. 95-0. Then the cost of 24 such packets of pencils is –

a. RS. 608   b. RS. 720   c. RS. 640   d. RS. 912

Q.10 How many pencils can be purchased for RS. 3825 , if 9 dozens pencils cost RS. 1530?

a. 270   b. 207   c. 265   d. 85

Q.11 Abhay sold 50 wrist watches and 30 pens. If cost of 2 wrist watches is RS. 471.70 and 3 pens is RS. 23.16. Then what is the total cost of wrist watches and pens sold?

a. RS. 13289.25 b. RS. 16480.60 c. RS. 15843.50 d. RS. 12024.10

Q.12 Out of 208 people in a party , 48 were children the remaining people , males and females , are in the ratio of 2 : 3. Find the number of males and females in the party respectively?

a. 84 , 125   b. 125 , 84   c. 96 , 64   d. 64 , 96

Q.13 Which of the following statements is false –

a. 5 : 10 :: 100 : 200   b. 2 : 3 :: 10 : 15

c. 5.2 : 3.9 :: 4.3 : 6.5   d. 16 : 24 :: 20 : 30

Q.14 A car travels a distance of 150 Km in 3 hours and a train travels a distance of 120 Km in 2 hours. What is the ratio of the speed of the car to that of the train?

a. 5 : 6   b. 6 : 5   c. 5 : 4   d. 5 : 3

Q.15 An alloy is made of copper and zinc in the ratio 3 : 2. If the weight of zinc in thr alloy is 20.4 g. What is the weight of copper in the alloy?

a. 27.2 g   b. 13.6 g   c. 30.6 g   d. 28.8 g