1) A 140 cm long tape is to be cut into two pieces such that one piece will be 2/5th as long as the other. Calculate the length of the shorter piece.

a) 30 cm b) 20 cm c) 40 cm d) 35 cm

2) A boat running upstream takes 4 hours and 48 min to cover certain distance, while it takes 3 hours to cover the same distance running downstream, what is the ratio between speed of boat and speed of the water current respectively?

a) 2:1 b) 32:9 c) 39:9 d) none

3) Which of these numbers is divisible by 26?

a) 190554 b) 190544 c) 190552 d) 190548

4) (1/3) of a number is 3 more than the (1/6) of the same number?

a) 6 b)16 c)18 d)21

5) There are two water tanks A and B, A is much smaller than B. While water fills at the rate of 1 liter every hour in A, it gets filled up like, 10, 20, 40,80, 160…..in tank B. 1/8 th of the tank B is filled in 22 hours. What is the time to fill the tank fully?
a) 26 b) 25 c) 5 d) 27

6) In a market 4 men are standing .The average age of the four before 2 years is 55, after some days one man is added and his age is 45. What is the average age of all?
a) 55 b) 54.5 c) 54.6 d) 54.7

7) In the reading room of a library, there are 10 tables, 4 chairs per table. In each table there are different numbers of people seated. How many tableswill be left out without at least 1 person?

a) 8 b) 6 c) 2 d) 7

8) A person is rock climbing at an altitude of 800 m. He go up by 7 mph. and come down by 9 mph. what was his average speed?
a) 7.875 mph b) 7.125 mph c) 7mph d) 7.5 mph

9) A lady builds 9cm length, 10cm width,3cm height box using 1 cubic cm cubes. What is the minimum number of cubes required to build the box?

a) 730 b) 270 c) 720 d) 310

$x/2y = 2a$,then $2x/x-2ay$=?

a)4 b)8 c)16 d)2

10) Out of 7 children, the youngest is boy. Find out the probability that all the remaining children are boys?

a)1/64 b)1/32 c)1/128 d)1/256

11) Sangakara and Ponting want to use a dice to select who will bat first but the dice is biased. To resolve the issue, Ponting takes out a coin. What is the probability that coin gives the right answer?

a)1/2 b)1/6 c)1/12 d)6/10

12) Look at this series: 5.2, 4.8, 4.4, 4,… What number should come next?

1. 3
2. 3.3
3. 3.5
4. 3.6

13) You have 10 users plugged into a hub running 10Mbps half-duplex. There is a server connected to the switch running 10Mbps half-duplex as well. How much bandwidth does each host have to the server?

  1. 100 kbps
  2. 1 Mbps
  3. 2 Mbps
  4. 10 Mbps