1. The sum of three consecutive numbers is 84. Find the numbers.
2. Tickets for a concern were sold at $5, $3 and $1 each. Thirty more tickets were sold at $5 than at $3, and twice as many at $1 as at $3. If the total receipts form the sale of the tickets were $950, then how many tickets of $5 were sold?
3. In a particular jungle which only had deer and human visitors, there were 70 heads and 188 legs. How many deer and human visitors were there?
4. The sum of the digits of a two digit number is 7. If the digits are reversed, the number so obtained when increased by 3 equal 4 times the original number. Find the original number.
5. Carla has $275 in her purse in denominations of $10 and $5, she has 32 notes in all counting both $10 and $5. How many $10 notes does she have in her purse?

a) 23
b) 9
c) 23
d) 8
e) 25

6. If 1 is added to the numerator of a fraction, its value becomes 7/19 and if 1 is added to denominator of the same original fraction, its value becomes 1/3. Find the original fraction.

a) 20.57
b) 13/39
c) 34/96
d) 13/38
e) None of these

7. Aishwarya's age 10 years hence will be twice Deepika's present age. Six years back Aishwarya's age was 5/3 times Deepika's age at that time. Find the present ages of Aishwarya and Deepika respectively.

a) 36 years, 18 years
b) 26 years, 18 years
c) 36 years, 12 years
d) 48 years, 36 years
e) 18 years, 26 years

8. Find the value of x+y, form the given set of equations.

$7/x + 13/y = 27$
$13/x + 7/y = 33$

a) 3/2
b) 1/2
c) 5/2
d) 2
e) 7/2

9. Amar brought bananas to his school. He gave $1/4^{th}$ of the bananas to the Physics teacher and $1/6^{th}$ of the bananas to Chemistry teacher. The Chemistry teacher gave the head-master 2 bananas and now has 4 bananas left. How many bananas did Amar give to his Physics teacher?

a) 12
b) 36
c) 5
d) 9
e) 23

10. There are three cities: A, B and C. Three friends are discussing the population(in million) of the three cities. One says "A has 9 million people". The second says "B has as many as the people as A and C combined". The third says: "The number of people in A added to the half of the number of people in B is the number of people in C" If all the statements made by these three people are definitely true, what is the total number of people(in millions) in all three cities combined?

a) 48
b) 54
c) 63
d) 72
e) 81

11. Sam, Harry and Jake had some candies each. Together Sam and Harry had 19 candies. Even after giving three candies to Jake, Same had two more candies than him. Then Harry

gave two of his candies to Jake and was also left with two more candies than him. How many candies does Jake have now?

a) 1
b) 4
c) 5
d) 6
e) 8

12. Students were standing in rows for exercise. Each row had an equal number of students. If 5 students were less to stand in each row, 6 more rows were be required and if 5 students more were to stand in each row then the number of two required would be reduced by 2. Find the total number of students.

a) 10
b) 40
c) 50
d) 70
e) None of these

13. A three digit number is equal to 17 times the sum of all the digits. If 198 is added to the number, the digits get reversed, also the sum of the extreme digits of the original number is less than the middle digit by unity. Find the sum of the digits of the original number.

a) 9
b) 8
c) 7
d) 10
e) 11

14. In an MBA entrance exam, 1 mark is awarded for every correct answer and 1/4 mark is deducted for each incorrect answer. There are two sections in the exam. A student gets an accuracy of 75% across each section. What is the minimum number of questions that he should attempt in all to clear the test, if the sectional cut-offs for the sections are 22 and 11 marks respectively?

a) 16
b) 32
c) 64
d) 48
e) 80

15. Harmione purchases 3 apples, 7 mangoes and 1 orange for a total of $12. Ron buys 4 apples, 5 mangoes and an orange for 16.45 from the same shop. If Harry picks 1 apple, 11 mangoes and an orange from the shop, then how much does he have to pay?

a) $ 2.9
b) $ 3.1
c) $ 3.5
d) $ 4
e) Cannot be determined

16. 5 candies, 3 packets of chips and 2 pastries cost $14. The difference between the costs of 1 packet of chips and 1 party is $1 and the difference between the costs of 1 packet of chip and 1 candy is $2.8. How much will Anil need to pay if he has to buy 10 candies, 2 packets of chips and 5 pastries? Assume that the chips are the costliest on an individual basis.

a) $ 16
b) $ 20
c) $ 15
d) $ 18
e) $ 19

Answers:

1	27, 28, 29	2	11	3	24 & 46	4	16
5	A	6	D	7	B	8	A
9	D	10	D	11	D	12	E
13	A	14	D	15	B	16	D