1. Excluding stoppages, the speed of a bus is 54 kmph and including

stoppages, it is 45 kmph. For how many minutes does the bus stop per

hour?

[A] 9

[B] 10

[C] 12

[D] 20

ANS : B

2. The average speed of a train in the onward journey is 25% more than

that in the return journey. The train halts for one hour on reaching the

destination. The total time taken for the complete to and from journey is

17 hours, covering a distance of 800 km. The speed of the train in the

onward journey is:

[A] 45 km/hr

[B] 47.5 km/hr

[C] 52 km/hr

[D] 56.25 km/hr

ANS: D

3. Walking (6/7) th of his usual speed, a man is 12 minutes too late. The

usual time taken by him to cover that distance is:

[A] 1 hour

[B] 1 hr 12 min  
 [C] 1 hr 15 min

[D] 1 hr 20 min

ANS: B

4. Three persons are walking from a place A to another place B. Their

speeds are in the ratio of 4 : 3 : 5. The time ratio to reach B by these

persons will be :

[A] 4 : 3 : 5

[B] 5 : 3 : 4

[C] 15 : 9 : 20

[D] 15 : 20 : 12

ANS: D

5. A motor car starts with the speed of 70 km/hr with its speed increasing

every two hours by 10 kmph. In how many hours will it cover 345 kms?

[A] 2 (1/4) hrs

[E] None of these

[C] 4(1/2) hrs

[B] 4 hrs 5 min

[D] Can not be determined

ANS : C

6. A thief is noticed by a policeman from a distance of 200 m. The thief

starts running and the policeman chases him. The thief and the policeman

run at the rate of 10 km and 11 km per hour respectively. What is the

distance between them after 6 minutes?

[A] 100 m

[B] 150 m

[C] 190 m

[D] 200 m

ANS: A

7. A person travels from P to Q at a speed of 40 kmph and returns by

increasing his speed by 50%. What is his average speed for the both the

trips?

[A] 36 kmph

[B] 45 kmph  
 [C] 48 kmph

[D] 50 kmph

ANS: C

8. A man takes 5 hours 45 min. in walking to a certain place and riding

back. He would have gained 2 hours by riding both ways. The time he

would take to walk both ways, is:

[A] 3 hrs 45 min

[B] 7 hrs 30 min

[C] 7 hrs 45 min

[D] 11 hrs 45 min

ANS: C

9. A can complete a journey in 19 hours. He travels first half of the

journey at the rate of 21 km/hr and second half at the rate of 24 km/hr.

Find the total journey in km.

[A] 220 km

[B] 224 km

[C] 230 km

[D] 234 km

ANS: B

10. Bombay Express Left Delhi from Bombay at 14.30 hrs, travelling at a

speed of 60 kmph and Rajdhani Express left. Delhi for Bombay on the same day at 16.30 hrs, travelling at a speed of 80 kmph. How far away

from Delhi will the two trains meet?

[A] 120 km

[B] 360 km

[C] 480 km

[D] 500 km

ANS: C

11) In a 2 digit numbers, the digit in the unit’s place is 2 times the digit in 10’s place and sum of the digits is equal to 9.  What is the [number](http://aptitude.students3k.com/numbers-aptitude-questions-with-answers/)?  
A) 30  
B) 16  
C) 36  
D) 56

Ans: c

12) The difference between a 2 digit numbers & the number getting by place changing the 2 digits is 54.  What is the difference between the 2 digits of that particular number?  
A) 5  
B) 6  
C) 7  
D) 8

Ans:b

13) The sum of the digits of a 2 number is 2/5 of the difference between the number and the number obtained by place changing the positions of the particular digits.  What is the exact difference between the particular digits of the number?  
A) 5  
B) 6  
C) Cannot be determined  
D) None of these

Ans:c

15) The difference between 2 numbers is 1356. When the largest number is divided by the smallest one, the quotient is 6 and the remainder is 15. The smaller number is ?  
A) 570  
B) 270  
C) 370  
D) 470.

Ans:b

16) If the number getting on position changing the digits of a 2 digit number is 18 more than the original number and the sum of the digits is 6.  What is the particular original number?  
A) 42  
B) 52  
C) 62  
D) 72

Ans:a

17) The product of 4 consecutive even numbers is always divisible by?  
A) 384  
B) 284  
C) 584  
D) 684

Ans:a

18) The sum of two positive integers multiplied by the bigger number is 204, and their difference multiplied by the smaller number is 35. What are the numbers?  
A) 12,5  
B) 13,5  
C) 14,5  
D) 16,5

Ans:a

19) The product of two numbers is 9375 and the quotient, when the larger one is divided by the smaller, is 15. What is the sum of the numbers?  
A) 500  
B) 400  
C) 600  
D) 700

Ans:b

20) The difference between a [number](http://aptitude.students3k.com/problems-on-numbers-with-answers/) and four-fifth of the number is 75. What is the number?  
A) 375  
B) 275  
C) 325  
D) 525

Ans:a

21) The sum of three consecutive odd numbers is 306.  Find out the smallest number?  
A) 201  
B) 301  
C) 101  
D) 401

Ans:c

22) If a number is decreased by 5 and divided by 10, the result is 15.  What could be the result if 5 is subtracted from the number and then it is divided by 5?  
A) 10  
B) 20  
C) 30  
D) 40

Ans:c

23) If the sum of number and square is 182.  Find out the number?  
A) 11  
B) 21  
C) 13  
D) 14

Ans:c

24) 264^102+264^103. From this sequence find out the digit in the unit place?  
A) 0  
B) 1  
C) 2  
D) 3

Ans:a

25) Twenty six times a positive integer is less than its square by 56.  What is the integer?  
A) 26  
B) 27  
C) 28  
D) 29

Ans:c

26) One-fifth of a number is equal to 3/8 of another number.  If 17 is added to the first number, it becomes four times of the second number.  What is the second **number**?  
A) 6  
B) 7  
C) 9  
D) 8

Ans:d

27) The product of two numbers is 152 and the sum of these two numbers is 38.  What is the smaller of these two numbers?  
A) 19/8  
B) 8/19  
C) 19/10  
D) 19/5

Ans:a

28) Three times the first of three consecutive odd integers is 3 more than twice the third.  What is the value of the third integer?  
A) 25  
B) 35  
C) 45  
D) 15

Ans:d

29) The sum of three consecutive odd numbers is 30 more than the first of these numbers.  What is the last number?  
A) 8  
B) 10  
C) 16  
D) 14

Ans:c

1. What least number must be added to 859622, to get a number exactly divisible by 456?  
   A) 321  
   B) 394  
   C) 450  
   D) 497  
     
   ans:B

1. The ratio between two numbers is 4:5 and their sum is 540. The greater of the two numbers is?  
   A) 270  
   B) 220  
   C) 300  
   D) 410  
     
   ans:C
2. 1/4 of a number subtracted from 1/3 of the number gives 12. The Number is  
   A) 144  
   B) 157  
   C) [180](http://aptitude.students3k.com/number-systems-questions-and-answers-part-1/)  
   D) 201  
     
   ans:A
3. Three fifth of one fourth of a number is 90. The number is?  
   A) 301  
   B) 500  
   C) 600  
   D) 700  
     
   ans:C
4. The sum of two numbers is 60 and their difference is 43 .The difference of there squeare is?  
   A) 2060  
   B) 2580  
   C) 2700  
   D) 3110  
     
   ans:B
5. The sum of three consecutive even numbers is 36.s The middle one is?

A) 12  
B) 14  
C) 16  
D) 18  
  
ans:A

1. Find the divisior if dividend = 27541, quotient = 233 and remainder = 47?  
   A) 328  
   B) 150  
   C) 497  
   D) 118  
     
   ans:D
2. A number when divided by 627 leaves a remainder 43. By dividing the same number by 19, the remainder will be?  
   A) 19  
   B) 11  
   C) 8  
   D) 5  
     
   ans:D
3. The greatest 5 digit number that is exactly divisible by [100](http://aptitude.students3k.com/number-systems-questions-and-answers-part-1/) is?  
   A) 99899  
   B) 99800  
   C) 99900  
   D) 99889  
     
   ans:C
4. What is the total number of numbers up to 9999?  
   A) 98900  
   B) 10000  
   C) 9999  
   D) 98100  
     
   ans:C
5. A man’s current [age](http://aptitude.students3k.com/aptitude-problems-on-ages-questions-with-answers-and-explanation/) is (2/5) of the age of his father. After 8 years, he will be (1/2) of the age of his father. What is the age of father at now?  
   A) 50 [years](http://aptitude.students3k.com/aptitude-problems-on-ages-questions-with-answers-and-explanation/)  
   B) 40 years  
   C) 33 years  
   D) 43 years  
   ans:B
6. If two times of the daughter’s age in years is included to the mother’s age, the total is 70 and if two times of the mother’s age is included to the daughter’s age, the total is 95. So the Mother’s age is,  
   A) 30 years  
   B) 38 years  
   C) 40 years  
   D) 41 years  
   ans;C
7. The [avg](http://aptitude.students3k.com/aptitude-problems-on-ages-questions-with-answers-and-explanation/) age of class of 20 students in 20 years. If the lecturer’s age is added to the avg, increases by one. What is the age of the lecturer?  
   A) 30  
   B) 40  
   C) 31  
   D) 41  
   ans:d
8. The age of mother one decade age was three times the age of her daughter. 10 years hence, mother’s age will be two times that of her daughter. The proposition of their [current](http://aptitude.students3k.com/aptitude-problems-on-ages-questions-with-answers-and-explanation/) ages is:  
   A) 6 : 1  
   B) 7 : 3  
   C) 8 : 6  
   D) 10 : 5  
   ans:b
9. If Raj was one-third as old as Rahim 5 years back and Raj is 17 years old now, How old is Rahim now?  
   A) 40  
   B) 41  
   C) 36  
   D) 48  
   ans:b
10. 3 years ago, the avg age of a family of 5 individuals was 17. A kid have been born the avg age of family is an exact [today](http://aptitude.students3k.com/aptitude-problems-on-ages-questions-with-answers-and-explanation/)? What is the age of the kid?  
    A) 2 years  
    B) 3 years  
    C) 4 years  
    D) 5 yea  
    ans:a
11. 0.1 decates ago, Vijaya was quadrice as old as her daughter Simran. 0.6 decades hence, Vijaya’s age will beat her daughter’s age by 0.9 decades. The proportion of the current ages of Vijaya and Simran is :  
    [ 0.1 Decates =1 Year; quadrice = 4 times]  
    A) 8 : 1  
    B) 10 : 2  
    C) 11 : 4  
    D) 13 : 4  
    ans:d
12. The ratio of the ages of Maala and Kala is 4 : 3. The total of their ages is 2.8 decades. The proportion of their ages after 0.8 decades will be  
    [1 Decade = 10 years]  
    A) 4 : 3  
    B) 12 : 11  
    C) 7 : 4  
    D) 6 : 5  
    ans:d
13. The overall age of X and Y is 12 year greater than the overall age of Y and Z. Z is how many decades younger that X?  
    A) 10  
    B) 12  
    C) Z is elder than X  
    D) None of these  
    ans:b
14. The proportion of X’s and Y’s ages is 4:5. If the difference between the current age of X and the age of Y 0.5 decades hence is 3, then what is the sum of current ages of X and Y?  
    A) 72 years  
    B) 62 years  
    C) 52 years  
    D) 82 years  
    ans:a
15. The age of mother 10 [years](http://aptitude.students3k.com/age-aptitude-questions-with-answers/) ago was thrice as the age of his daughter.  10 years hence mother’s age will be twice that of his daughter.  What is the ratio of their **present ages**?  
    A) 7:3  
    B) 3:7  
    C) 6:7  
    D) 7:6  
    Ans:A
16. 12) The total age of P and Q is 15 years more than the total age of Q and B.  B is how many years younger than P?  
    A) 10  
    B) 12  
    C) 13  
    D) 15  
    Ans/;D