**1) If 20 men can construct a divider of 112 meters in length in 6 days, what length of a comparable divider can be worked by 25 men in 3 days?**

1. 69 meters.
2. 58 meters.
3. 70 meters.
4. 76 meters.

**Answer:** C 70 Meters.

**Solution:**

20 men in 6 days can build 112 meters  
25 men in 30 days can build=112\*(25/20)\*(3/6)  
= 70 meters

**2) In a race of 600 meters, A can beat B by 60 meters and in a race of 500 meters; B can beat C by 50 meters. By what number of meters will A beat C in a race of 400 meters?**

1. 76 meters.
2. 89 meters.
3. 71 meters.
4. 84 meters.

**Answer:** A 76 Meters

**Solution:**

Let's assume A finishes the 600 m race in 60 sec, then  
600/60 = 10 m/sec is his speed  
B traveled (600-60 = 540 m in 60 sec, therefore  
540/60 = 9 m/sec is B's speed  
:

"in a race of 500 metres, B can beat C by 50 metres."  
500/9 = 55.56 sec is B's time to finish a 500 m race  
C traveled 500-50 = 450 m in 55.56 sec, therefore  
450/55.56 = 8.1 m/sec is C's speed  
:

By how many will A beat C in a race of 400 metres?  
400/10 = 40 sec for A to run a 400 m race  
C will travel 8.1\*40 = 324 m in 40 sec therefore  
C will be 400-324 = 76 m behind when A crosses the finish line

**3) On the off chance that the accumulated dividends on a specific total of cash for a long time at 10% for each annum be Rs. 993, what might be the basic intrigue?**

1. Rs.840
2. Rs.590
3. Rs.695
4. Rs.900

**Answer:** D Rs. 900

**Solution:**

Let P = Principal  
A - Amount  
We have a = P (1 + R/100)3 and CI = A - P  
ATQ 993 = P (1 + R/100)3 - P  
∴ P = Rs 3000/ -  
Presently SI @ 10% on Rs 3000/ - for 3 yrs = (3000 x 10 x 3)/100  
= Rs 900/ -

**4) What yearly portion will release an obligation of Rs. 4600 due in 4 years at 10% straightforward intrigue?**

1. 1000
2. 1330
3. 1600
4. None of these

**Answer:** A 1000

**Solution:**

Give the yearly portion a chance to be Rs.100. The principal portion will be paid one year from now i.e. 3 years before it is in reality due. The second portion will be paid a long time from now i.e. 2 years before it is in reality due.  
The third portion will be paid 1 year before it is in reality due.  
The fourth portion will be paid on the day the sum is in reality due.  
On the main portion, the intrigue will be paid for a long time, on the second for a long time, on the third for 1 year, on the fourth for multi-year. Altogether an enthusiasm for a long time will be paid (3 + 2 + 1 + 0) on Rs. 100 @ 10%. Intrigue = (100 × 6 × 10)/100 = Rs. 60 and the essential is Rs 100 × 4 = Rs 400. The aggregate credit that can be released is Rs. 400 + 60 = Rs. 460. Here the system of Chain Rule will be connected. I.e. for Rs. 460 the portion required is Rs. 100, for Rs. 4600 the portion required is 4600 × 100/460 = Rs. 1000.

**5) A number whose fifth part expanded by 5 is equivalent to its fourth part lessened by 5, is**

1. 140.
2. 180.
3. 200.
4. 270

**Answer:** C 200.

**Solution:**

X/5 + 5 = x/4 - 5  
⇒ x/5 - x/4 = 10  
X/20 = 10  
⇒ x = 200

**6) Two numbers are with the end goal that the proportion between them is 3:5, however in the event that each is expanded by 10, the proportion between them ends up 5:7. The numbers are**

1. 7, 5
2. 7, 12
3. 13, 29
4. 15, 25

**Answer:** D 15, 25

**Solution:**

NO. Are in the ratio of 3:5  
Let no be 3x and 5x  
(3x+10): (5x+10) =5:7  
X=5  
NO are (15, 25)

**7) A man pushes downstream 30 km and upstream 18 km, taking 5 hours each time. What is the speed of the stream (current)?**

1. 1.2 KM/HR
2. 1.7 KM/HR
3. 2.8 KM/HR
4. 4.8 KM/HR

**Answer:** A 1.2 KM/HR

**Solution:**

Let x=speed of boat and y=speed of current  
=30/ (x+y)=18/(x-y)=5 by solving y=1.2 km/hr

**8) A train 125 meter long is running at 50 km/hr. In what time will it pass a man running at 5 km/hr in a similar bearing in which the train is going?**

1. 15 sec
2. 10 sec
3. 60 sec
4. 55 sec

**Answer:** B 10 sec.

**Solution:**

Distance=125 meter speed=50-5=45km/hr=>45\*5/18=12.5 m/s  
Time=125/12.5=10sec

**9) A is twice as fast as B is thrice as fast as C. The journey covered by C in 42 minutes, what will be covered by A is**

1. 21 MIN
2. 64 MIN
3. 17 MIN
4. 40 MIN

**Answer:** C 17 MIN.

**Solution:**

B is thrice as fast as C  
C covered in 42 minutes  
B covered in 42/3=14 min  
A is twice as fast as B  
A covers in 14\*(1/2) = 7 min

**10) A can complete a work in 40 days and B in 28 days. In the event that A and B together take every necessary step, at that point roughly in how long will a similar function be finished?**

1. 17 days
2. 14 days
3. 16 days
4. 29 days

**Answer:** C 16 days

**Solution:**

A's 1day's work = 1/40  
B's 1day's work = 1/28  
They can cooperate in = 1/40 + 1/28 = 16 days (estimate)

**11) Teena is more youthful than Rani by 6 years. On the off chance that the proportion of their ages is 6:8, discover the time of Teena:**

1. 18 years
2. 16 years
3. 17 years
4. 19 years

**Answer:** A 18 years

**Solution:**

On the off chance that Rani Age is x, at that point Teena age is x-6,  
So (x-6)/x = 6/8  
=> 8x-48 = 6x  
=> 2x = 48  
=> x = 24  
So, Teena age is 24-6 = 18 years

**12) A man purchases a book for Rs.29.50 and offers it for Rs 31.10. Discover his gain percent.**

1. 8.1%
2. 5.4%
3. 9.8%
4. 2.4%

**Answer:** B 5.4%

**Solution:**

So we have C.P. = 29.50  
S.P. = 31.10  
Gain = 31.10 - 29.50 = Rs. 1.6  
Gain %=( Gain/Cost\*100)%  
= (1.6/29.50\*100)%=5.4%

**13) Think about the arrangement: 464, 232, 240, 120, \_\_\_\_, 64. What number should fill the clear?**

1. 127
2. 128
3. 138
4. 126

**Answer:** B 128

**Solution:**

This is a rotating division and arrangement: First, separate by 2, and after that include 8.

**14) Look at the series: A4, \_\_, C16, D32, E64. What number should fill the blank?**

1. B16
2. D4
3. B8
4. B10

**Answer:** C

**Solution:**

The letters Increase by 1; the numbers are duplicated by 2.

**15) A quick typist can type some issue in 2 hours and a moderate typist can type the same in 3 hours. In the event that both kinds consolidate, in what amount of time will they wrap up?**

1. 2.12 hr
2. 1 .29 hr
3. 1.12 hr
4. 1.20 hr.

**Answer:** C

**Solution:**

The quick typist's work done in 1 hr = 1/2 The moderate typist's work done in 1 hr = 1/3 If they work to join, work is done in 1 hr = 1/2+1/3 = 5/6 So, the work will be finished in 6/5 hours. i.e., 1+1/5 hours = 1hr 12 min

**16) Two trains running in inverse ways cross a man remaining on the stage in 27 seconds and 17 seconds separately and they cross each other in 23 seconds. The ratio of their speed is:**

1. 2: 3
2. 3: 2
3. 3: 6
4. None of these

**Answer:** B

**17) What is the aggregate of all numbers somewhere in the range of 100 and 1000 which are distinct by 14?**

1. 353936
2. 35392
3. 35372
4. 35322

**Answer:** B

**Solution:**

The number nearest to 100 which is more noteworthy than 100 and divisible by 14 is 112, which is the principal term of the arrangement which must be summed. The number nearest to 1000 which is under 1000 and distinct by 14 is 994, which is the last term of the arrangement. 112 + 126 + .... + 994 = 14(8+9+ ... + 71) = 35392

**18) Gavaskar's average in his initial 50 innings was 50. After the 51st innings, his average was 51. What number of runs did he score in his 51st inning? (assuming that he lost his wicket in his 51st innings)**

1. 101
2. 103
3. 98
4. 100

**Answer:** A 101

**Solution:**

Add up to score after 50 innings = 50\*50 = 2500 Total score after 51 innings = 51\*51 = 2601. So, runs made in the 51st innings = 2601-2500 = 101 If he had not lost his wicket in his 51st innings, he would have scored an unbeaten 50 in his 51st innings.

**19) I drove 60 km at 30 kmph and after that an extra 60 km at 50 km ph. Register my normal speed over my 120 km.**

1. 34 KM/HR
2. 37 ½ KM/HR
3. 42 KM/HR
4. 35 ½ KM/HR

**Answer:** B

**Solution:**

37 ½ km ph Solution: Time required for the initial 60 km = 120 min. The Time required for the second 60 km = 72 min. Add up to time required = 192 min Average speed = (60\*120)/192 = 37 1/2

**20) A can complete a specific work in a similar time in which B and C together can do it. In the event that A and B together could do it in 10 days and C alone in 50 days, at that point B alone could do it in.**

1. 14 DAYS
2. 15 DAYS
3. 20 DAYS
4. 25 DAYS

**Answer:** D

**21) A boat can go at a speed of 13 km/hr in still water. On the off chance that the speed of the stream is 4 km/hr, discover the time taken by the vessel to go 68 km downstream.**

1. 2 HOURS
2. 3 HOURS
3. 4 HOURS
4. 5 HOURS

**Answer:** C

**Solution:**

Speed downstream = (13 + 4) km/hr = 17 km/hr. Time taken to movement 68 km downstream = (68/17) hrs = 4 hrs

**22) A, B, C are the partner in a business. During a specific year. A got 33% of the benefit. B got one-fourth of the benefit and C got the rest of the Rs. 5000. What amount of measure of cash did A get?**

1. Rs. 1000
2. Rs. 2000
3. Rs. 4000
4. Rs. 5000

**Answer:** C

**Solution:**

Lets expect Total benefit x  
x \* (1-1/3-1/4) = 5000  
=> x\*(12-4-3)/12 = 5000  
x = 5000\*12/5 = Rs. 12000  
so An's offer = Rs. (1/3\*12000) = Rs. 4000

**23) A man possesses 2/3 of the statistical surveying bureau business and offers 3/4 of his offers for Rs. 75000. What is the value of Business?**

1. 12000
2. 150000
3. 160000
4. 170000

**Answer:** B

**Solution:**

3/4 of his offer = 75000  
So his offer = 100000.  
2/3 of business esteem = 100000  
So add up to esteem = 150000

**24) From its total company, A business organization burned through Rs.20, 000 for publicizing, half of the rest of commissions and had Rs.6000 cleared out. What was its aggregate salary?**

1. 32000
2. 17000
3. 39000
4. 47000

**Answer:** A

**Solution:**

Let add up to salary is X  
X=20,000+(X-20,000/2) +6000  
X-X/2=20,000-10,000+6000  
X/2=16,000  
X=32,000

**25) Nirmal and Kapil began a business contributing Rs. 9000 and Rs. 12000 separately. Following a half year, Kapil pulled back portion of his speculation. In the event that following a year, the aggregate benefit was Rs. 4600, what was Kapil's share initially?**

1. Rs 2300
2. Rs 2800
3. Rs 3500
4. Rs 2200

**Answer:** A Rs. 2300

**Solution:**

Nirmal: Kapil = 9000\*12:(12000\*6+6000\*6) = 1:1  
Kapil share = Rs. [4600 \*(1/2)) = Rs. 2300

**26) Anirudh, Harish, and Sahil put a sum of Rs.1, 35,000 in the proportion 5:6:4 Anirudh contributed has the capital for 8 months. Harish contributed for a half year and Sahil contributed for 4 months. On the off chance that they acquire a benefit of Rs.75, 900, then what is the offer of Sahil in the Profit?**

1. Rs. 13200
2. Rs. 15700
3. Rs.14200
4. Rs. 15800

**Answer:** A Rs.13200

**Solution:**

Anirudh contribute for 8 months, Harish contributed for 6 and  
sahil for 4 months in the proportion of 5:6:4  
so proportion = 5\*8 : 6\*6 : 4\*4  
=> 40:36:16  
=> 10:9:4  
So sahil's profit= (4/23)\*75900 = 13200

**27) A begins riding his bicycle at 10 am with a speed of 20kmph and B likewise begins at 10 am with a speed of 40kmph from a similar point in a similar way. Returns south at 12 o'clock and B turns north at 11 am. What will be the Distance between A and B at 2 pm?**

1. 250 km
2. 160 km
3. 170 km
4. 145.6 km

**Answer:** B 160 km

**Solution:**

At 12 O'clock, A cover 40km and on the opposite side B at 11 o clock cover 40km, again they went towards each other (which is really the separation between them), that is A needs to make a trip 2hr (From 12 to 2 at 20km/hr.) i.e. 2\*20=40km and opposite side B needs to Travelled out 3hr (From 11 to 2 at 40km/hr.) i.e. 3\*40=120Km.

At that point Then the total distance traveled by them is the Actual distance between them i.e. 40+120= 160Km (Ans.)

**28) 60 liters of diesel is required to movement 600 km utilizing an 800 cc motor. In the event that the volume of diesel required to cover a separation changes specifically as the limit of the motor, at that point what number of liters of diesel is required to movement 800 km utilizing 1200 cc motor?**

1. 90 liters.
2. 100 liters.
3. 120 liters.
4. None of these

**Answer:** C 120 liters.

**Solution:**

Let keep 800 cc steady and compute the measure of diesel for 800 km  
800\*60/600=80 liters.  
Presently, ascertain diesel required for new separation i.e. 800 km,  
80\*1200/800=120 liters.

**29) If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance traveled by him is:**

1. 50 km
2. 56 km
3. 70 km
4. 80 km

**Answer:** A 50 km

**Solution:**

Let the real separation voyaged be x km.  
At that point, x/10 = (x + 20)/14.  
=> 14x = 10x + 200  
=> 4x = 200.  
=> x = 50 km.

## 1) A 30% Loss on Cost Price is what percentage loss on Selling Price?

1. 25%
2. 30%
3. 40%
4. None of these

**Answer:** D

**Solution:**  
Let CP=100, SP=70  
Loss= 30/70\*100=42.85%

## 2) A, B and C Can hire a taxi for Rs. 2400 for one day. A, B and C utilized the auto for 6 hours, 8 hours and 10 hours separately. What amount did C pay?

1. 800
2. 600
3. 1000
4. 1200

**Answer:** C

**Solution:**  
Let total fair rs.2400  
C share=10/24\*2400=1000

## 3) A man pushes downstream 30 km and upstream 18 km, taking 5 hours each time. What is the speed of the stream (current)?

1. 1.2 KM/HR
2. 1.7 KM/HR
3. 2.8 KM/HR
4. 4.8 KM/HR

**Answer:** A

**Solution:**  
Let x=speed of boat and y=speed of current  
=30/ (x + y) =18/(x-y) =5 by solving y=1.2 km/hr

## 4) A train 125 meter long is running at 50 km/hr. In what time will it pass a man running at 5 km/hr in a similar bearing in which the train is going?

1. 15 sec
2. 10 sec
3. 60 sec
4. 55 sec

**Answer:** B

**Solution:**  
Distance=125 meter speed=50-5=45km/hr=>45\*5/18=12.5 m/s  
Time=125/12.5=10sec

## 5) A is twice as fast as B is thrice as fast as C. The journey covered by C in 42 minutes, what will be covered by A is

1. 21 MIN
2. 64 MIN
3. 17 MIN
4. 40 MIN

## 6) What percent is 2 minutes 24second of an hour?

1. 2%
2. 4%
3. 6%
4. 8%

**Answer:** B

**Solution:**  
%=144/60\*60=4%

## 7) A man purchases a book for Rs.29.50 and offers it for Rs. 31.10. Discover his gain percent.

1. 8.1%
2. 5.4%
3. 9.8%
4. 2.4%

**Answer:** B

**Solution:**  
So we have C.P. = 29.50  
S.P. = 31.10  
Gain = 31.10 - 29.50 = Rs. 1.6  
Gain %=( Gain/Cost\*100)%  
= (1.6/29.50?100)%=5.4%

## 8) Think about the arrangement: 464, 232, 240, 120, \_\_\_\_, 64. What number should fill the clear?

1. 127
2. 128
3. 138
4. 126

**Answer:** B

**Solution:**  
This is a rotating division and option arrangement: First, separate by 2, and after that include 8.

## 9) Look at the series: A4, \_\_, C16, D32, E64. What number should fill the blank?

1. B16
2. D4
3. B8
4. B10

**Answer:** C

**Solution:**  
The letters Increase by 1; the numbers are duplicated by2.

## 10) The ratio of investment of A: B is 8:7 and the ratio of year-end profits is 20:21. If B invested for 12 months, then find the period of investment of A.

1. 8 MONTHS
2. 6 MONTHS
3. 10 MONTHS
4. 12 MONTHS

**Answer:** C

**Solution:**  
Let A invest for x month A=8x  
B=7\*12=84 months  
8x/84=20/21  
X=10

## 11) A can complete a specific work in a similar time in which B and C together can do it. In the event that A and B together could do it in 10 days and C alone in 50 days, at that point B alone could do it in.

1. 14 DAYS
2. 15 DAYS
3. 20 DAYS
4. 25 DAYS

**Answer:** D

## 12) A, B and C mutually thought of connecting with themselves in a business wander. It concurred that A would contribute Rs. 6500 for a half year, B, Rs. 8400 for 5 months and C, Rs. 10,000 for 3 months. A needs to be the working part for which, he was to get 5% of the benefits. The benefit earned was Rs. 7400. Calculate the share of B in the profit.

1. Rs. 1900
2. Rs. 2660
3. Rs. 2800
4. Rs. 2840

**Answer:** B

**Solution:**  
For dealing with, A got = 5% of Rs. 7400 = Rs. 370.  
Equalization = Rs. (7400 - 370) = Rs. 7030.  
Proportion of their investment = (6500 x 6): (8400 x 5): (10000 x 3)  
= 39000: 42000: 30000  
= 13: 14: 10  
B's offer = Rs. 7030 x14/37= Rs. 2660.

## 13) If 20 men can construct a divider 112 meters in length in 6 days, what length of a comparable divider can be worked by 25 men in 3 days?

1. 69 meters.
2. 58 meters.
3. 70 meters.
4. 76 meters.

**Answer:** C

**Solution:**  
20 men in 6 days can build 112 meters  
25 men in 30 days can build=112\*(25/20)\*(3/6)  
= 70 meters

## 14) In a race of 600 meters, A can beat B by 60 meters and in a race of 500 meters; B can beat C by 50 meters. By what number of meters will A beat C in a race of 400 meters?

1. 76 meters.
2. 89 meters.
3. 71 meters.
4. 84 meters.

**Answer:** A

**Solution:**  
A runs B runs C runs  
600 meters race 600 m 540 m  
500 meters race 500 m 450 m  
Coming ratio A runs B runs C runs  
300 meters-2700 meters-2430 meters  
Unitary A runs B runs C runs  
Methods 400m-360m-324m  
A beat C by 400- 324=76 meters.

## 15) A sum of money doubles itself at C.I. in 15 years.

1. 40 years.
2. 35 years.
3. 55 years.
4. 45 years

**Answer:** D

## 16) The total ages of 5 youngsters conceived at the interval of 3 years each is 50 years. What is the age of the youngest child?

1. 4 years
2. 8 years
3. 10 years
4. None of these

**Answer:** A

**Solution:**  
Give the times of youngsters a chance to be x, (x + 3), (x + 6), (x + 9) and (x + 12) years.  
At that point, x + (x + 3) + (x + 6) + (x + 9) + (x + 12) = 50  
5x = 20  
x = 4.

## 17) What was the day of the week on 28th May 2006?

1. Thursday
2. Friday
3. Saturday
4. Sunday

**Answer:** D

**Solution:**  
28 May, 2006 = (2005 years + Period from 1.1.2006 to 28.5.2006)  
Odd days in 1600 years = 0  
Odd days in 400 years = 0  
5 years = (4 conventional years + 1 jump year) = (4 x 1 + 1 x 2) 6 odd days  
Jan. Feb. March April May  
(31 + 28 + 31 + 30 + 28) = 148 days  
148 days = (21 weeks + 1 day) 1 odd day.  
Add up to number of odd days = (0 + 0 + 6 + 1) = 7 0 odd day.  
Given day is Sunday.

## 18) What was be the day of the week on fifteenth August 2010?

1. Sunday
2. Monday
3. Tuesday
4. Friday

**Answer:** A

**Solution:**  
Fifteenth August, 2010 = (2009 years + Period 1.1.2010 to 15.8.2010)  
Odd days in 1600 years = 0  
Odd days in 400 years = 0  
9 years = (2 jump years + 7 customary years) = (2 x 2 + 7 x 1) = 11 odd days 4 odd days.  
Jan. Feb. March April May June July Aug.  
(31 + 28 + 31 + 30 + 31 + 30 + 31 + 15) = 227 days  
227 days = (32 weeks + 3 days) 3 odd days.  
Add up to number of odd days = (0 + 0 + 4 + 3) = 7 0 odd days.  
Given day is Sunday.

## 19) A boat can go at a speed of 13 km/hr in still water. In the event that the speed of the stream is 4 km/hr, discover the time taken by the boat to go 68 km downstream.

1. 2 hours
2. 3 hours
3. 4 hours
4. 5 hours

**Answer:** C

**Solution:**  
Time taken to movement 68 km downstream = 68 hrs = 4 hrs.

## 20) A man's speed with the current is 15 km/hr and the speed of the current is 2.5 km/hr. The man's speed against the current is:

1. 8.5 km/hr
2. 9 km/hr
3. 10 km/hr
4. 12.5 km/hr

**Answer:** C

## 21) A boat running upstream takes 8 hours 48 minutes to cover a specific separation, while it takes 4 hours to cover a similar separation running downstream. What is the proportion between the speed of the boat and speed of the water current and flow individually?

1. 2 : 1
2. 3 : 2
3. 8 : 3
4. Can't be resolved
5. None of these

**Answer:** C

**Solution:** At that point, remove canvassed upstream in 8 hrs. 48 min = Distance covered downstream in 4 hrs.  
X\* 8 4 /5= (y x 4)  
44/5 x =4y  
y = 11/5 x.  
Required proportion = y + x/2: y - x /2  
= 16/5 x 1/2: 6/5 x 1/2  
= 8/5:3/5  
= 8: 3.

## 22) Find not proper number in series

## 3, 5, 11, 14, 17, 21

1. 21
2. 17
3. 14
4. 3

**Answer:** C

**Solution:**  
Every one of the numbers aside from 14 is an odd number.  
The number '14' is the main EVEN number.

## 23) Find not proper number in series

## 10, 25, 45, 54, 60, 75, 80

1. 10
2. 45
3. 54
4. 75

**Answer:** C

## 24) Find not proper number in series

## 396, 462, 572,427,671,264

1. 396
2. 427
3. 671
4. 264

**Answer:** B

**Solution:**  
In each number except 427, the middle digit of the sum of other two.

## 25) 16, 33, 65, 131, 261, (....)

1. 523
2. 521
3. 613
4. 721

**Answer:** A

**Solution:**  
Each number is double the former one with 1 included or subtracted then again.  
Along these lines, the following number is (2 x 261 + 1) = 523.

## 26) An organic product vendor had a few apples. He offers 40% apples and still has 420 apples. Initially, he had:

1. 588 apples
2. 600 apples
3. 672 apples
4. 700 apples

**Answer:** D

**Solution:**  
Assume initially he had x apples.  
At that point, (100 - 40)% of x = 420.  
60/100 x x = 420  
x = 420 x 100 = 700.

## 27) A sum of money is to be distributed among A, B, C, D in the proportion of 5: 2: 4: 3. If C gets Rs. 1000 more than D, what is B's share?

1. Rs.500
2. Rs.1000
3. Rs.1500
4. Rs.2000

**Answer:** D

## 28) Three pipes A, B and C can fill a tank from void to full in 30 minutes, 20 minutes, and 10 minutes individually. At the point when the tank is unfilled, all the three funnels are opened. A, B and C release compound arrangements P, Q and R separately. What is the extent of the arrangement R in the fluid in the tank following 3 minutes?

1. 5/11
2. 6/11
3. 7/11
4. 8/11

**Answer:** B

**Solution:**  
Part filled by (A + B + C) in 3 minutes = 3 (1/30+1/20+1/10)= 3\*11/60=11/20  
Required proportion = 3/10 x 20/11 = 6 /11

## 29) The Speed of a boat in standing water is 9 km ph and the speed of the stream is 1.5 km ph. A man lines to a place at a separation of 105 km, and returns to the beginning stage. The aggregate time taken by him is:

1. 16 hours
2. 18 hours
3. 20 hours
4. 24 hours

**Answer:** D

**Solution:**  
Speed upstream = 7.5 km ph.  
Speed downstream = 10.5 km ph.  
Add up to time taken = 105/7.5 + 105/10.5 hours = 24 hours.

## 30) A vessel is loaded up with fluid, 3 sections of which are water and 5 sections syrup. What amount of the blend must be drawn off and supplanted with water so the blend might be half water and half syrup?

1. 1/3
2. 1/4
3. 1/5
4. 1/7

**Answer:** C

## 31) A man has Rs. 480 in the divisions of one-rupee notes, five-rupee notes and ten-rupee notes. The quantity of notes in every section is equivalent. What is the aggregate number of notes that he has?

1. 45
2. 60
3. 75
4. 90

**Answer:** D

**Solution:**  
Give the number of notes of every division a chance to be x.  
At that point x + 5x + 10x = 480  
16x = 480 x = 30.  
Consequently, add up to number of notes = 3x = 90

## 32) 270 meters in length prepare running at the speed of 120 km ph crosses another prepare running inverse way at the speed of 80 km ph in 9 seconds. What is the length of the other prepare?

1. 230 m
2. 240 m
3. 260 m
4. 320 m
5. None of these

**Answer:** A

**Solution:**  
Relative speed = (120 + 80) km/hr  
= 200 x 5/18 m/sec  
= 500/9 m/sec.

Give the length of the other prepare a chance to be x meters.  
At that point, (X+270)/9=500/9  
X+270=500  
X=230

## 33) Merchandise prepares keeps running at the speed of 72 km ph and crosses a 250 m long stage in 26 seconds. What is the length of the products prepared?

1. 230 m
2. 240 m
3. 260 m
4. 270 m

**Answer:** D

**Solution:**  
Speed =capgemini interview questions= 20 m/sec.  
Time = 26 sec.  
Then, x + 250 /26= 20  
x + 250 = 520  
x = 270.

## 34) Two Train, every 100 m long, moving in opposite Direction, cross each other in 8 seconds. On the off chance that one is moving twice as quick the other, at that point the speed of the speedier train is:

1. 30 km/hr
2. 45 km/hr
3. 60 km/hr
4. 75 km/hr

**Answer:** C

## 35) An entirety of cash at basic premium adds up to Rs. 815 out of 3 years and to Rs. 854 out of 4 years. The aggregate is:

1. Rs. 650
2. Rs. 690
3. Rs. 698
4. Rs. 700

**Answer:** C

**Solution:**  
S.I. for 1 year = Rs. (854 - 815) = Rs. 39.  
S.I. for a long time = Rs.(39 x 3) = Rs. 117.  
Principal = Rs. (815 - 117) = Rs. 698.

## 36) How much time will it take for a measure of Rs. 450 to yield Rs. 81 as interest at 4.5% for every annum of simple interest?

1. 3.5 years
2. 4 years
3. 4.5 years
4. 5 years

**Answer:** B

**Solution:**  
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## 37) A man took credit from a bank at the rate of 12% p.a. straightforward intrigue. Following 3 years he needed to pay Rs. 5400 intrigue just for the period. The essential sum acquired by him was:

1. Rs. 2000
2. Rs. 10,000
3. Rs. 15,000
4. Rs. 20,000

**Answer:** C

**Solution:**  
Principal = Rs. 100 x 5400/1200x3 = Rs. 15000.

## 38) A man has Rs. 480 in the sections of one-rupee notes, five-rupee notes, and ten-rupee notes. The quantity of notes in every section is equivalent. What is the aggregate number of notes that he has?

1. 45
2. 60
3. 75
4. 90

**Answer:** D

**Solution:**  
Give the number of notes of every group a chance to be x.  
At that point x + 5x + 10x = 480  
16x = 480  
x = 30.  
Consequently, add up to number of notes = 3x = 90.

## 39) There are two examinations rooms A and B. In the event that 10 students are sent from A to B, at that point the quantity of students in each room is the same. In the event that 20 competitors are sent from B to A, at that point the number of students in A is twofold the number of students in B. The quantity of students in room A is:

1. 20
2. 80
3. 100
4. 200

**Answer:** C

## 40) A precise check demonstrates 8 o'clock toward the beginning of the day. Through how many degrees will the hour hand turn when the check indicates 2 o'clock in the evening?

1. 144º
2. 150º
3. 168º
4. 180º

**Answer:** D

## 41) Tickets numbered 1 to 20 are stirred up and after that, a ticket is drawn indiscriminately. What is the Probability getting ticket drawn has a quantity which is a difference of 3 or 5?

1. 1/2
2. 2/5
3. 8/15
4. 9/20

**Answer:** D

**Solution:**  
Let, S = {1, 2, 3, 4, 19, 20}.  
Let E = event of getting a few of 3 or 5 = {3, 6, 9, 12, 15, 18, 5, 10, 20}.  
P (E) = n (E)/n(S) = 9/20

## 42) Three fair coins are tossed. What is the probability of getting at most two heads?

1. 3/4
2. 1/4
3. 3/8
4. 7/8

**Answer:** D

**Solution:**  
Here S = {TTT, TTH, THT, HTT, THH, HTH, HHT, HHH}  
Let E = occasion of getting at most two heads.  
At that point E = {TTT, TTH, THT, HTT, THH, HTH, HHT}.  
P (E) = n (E)/n(S) = 7/8

## 1) A teacher can divide his class into groups of 7, 11 and 15. Find the smallest possible strength of the class?

1. 965
2. 1250
3. 1155
4. 1250

**Answer:** c

**Explanation:**  
For the smallest possible strength of the class, we will find LCM of the given number  
LCM (7, 11, 15) = 1155

## 2) A lady purchased a bag for Rs.500 and sold it at a gain of 25% of the selling price. The selling price of the bag is:

1. 425
2. 575
3. 625
4. 475

**Answer:** c

**Explanation:**  
Here Cost price of Bag= Rs.500  
%gain = 25, so gain=accenture interview questions  
Gain= 25\*500/100= 125  
Selling price= Cost price+ gain  
Hence, S.P= 500+125= Rs.625

## 3) The average weight of a class of 20 students is 35kgs. If the weight of the teacher is also included with the class weight, the average weight increases by 1kg. What is the weight of the teacher?

1. 60kgs
2. 51kgs
3. 56kgs
4. NONE OF THEM

**Answer:** c

**Explanation:**  
Average weight= Sum of weight of all students / total no of students  
35= Sum of weight of all students/20  
Sum of weight of all students=35\*20= 700  
When the weight of teacher is also included: Suppose teacher weight is x kg  
Average weight+1kg= (Sum of weight of all students+ x)/21  
36= (700+x)/21  
X= 56kg.

## 4) A fort has enough food for 35 days for 120 soldiers. If after 15 days 70 soldiers leave the fort, for how many more days the food will last?

1. 68
2. 48
3. 58
4. 70

**Answer:** b

**Explanation:**  
Total food available= 120\*35  
They all consume food for 15 days, food consumed in 15 days= 15\*120  
Food left after 15 days= (120\*35-120\*15)  
For how many days 50 soldiers can eat this food= (120\*35-120\*15)/ 50  
=48 days

## 5) A train 150 meters long passes an electric pole in 15 seconds and another train of same length traveling in opposite direction in 5 seconds. The speed of the second train is

1. 35m/sec
2. 40m/sec
3. 32m/sec
4. 50m/sec

**Answer:** d

**Explanation:**  
Speed of first train a = 10m/sec (150m/15sec).  
Suppose speed of second train b=x m/s.  
Train are moving in opposite direction, hence their speed = (10+x) m/sec <relative>  
therefore total distance to be covered = (150+150) = 300  
time=5 secs  
hence,  
Speed = distance/time  
10+x= 300/5  
X= 50m/sec

## 6) When Mohan was born, his father was 32 years older than his brother, and his mother was 25 years older than his sister. If Mohan's brother is 6 years older than Mohan and his mother is 3 years younger than his father, how old was Mohan's sister when Mohan was born?

1. 5 years
2. 10 years
3. 8 years
4. None of the above

**Answer:** b

**Explanation:**  
Mohan's brother was 6 years old when Mohan was born  
So, His father's age = 32 + 6 = 38 years  
His mother's age = 38-3 = 35 year (3 years younger his father)  
His sister age = 35 - 25 = 10 years (Mother was 25 years older than the sister)

## 7) If the radius of a circle is increased by 10% then the area is increased by:

1. 22%
2. 100%
3. 110%
4. 21%

**Answer:** d

**Explanation:**  
Let say radius = πr^2  
New radius = r + 10/100r = 1.1r  
New area = π (1.1r) ^2= 1.21πr^2  
Difference in area = 1.21πr^2 - πr^2 = .21πr^2  
Increment = .21πr^2\*100/πr^2= 21%

## 8) One pipe can fill a tank four times as fast as another pipe. If together the two pipes can fill the tank in 40 minutes, then the slower pipe alone will be able to fill the tank in:

1. 120 min
2. 8 min
3. 200 min
4. 192 min.

**Answer:** c

**EXPLANATION:**  
Suppose, the slower pipe alone fill the tank in x min  
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5/x= 1/40  
X=200min.

## 9) Ravi's father said to Ravi, "I was as old as you are at present at the time of your birth." If the father's age is 40 years now, the son's age six years back was:

1. 14 years
2. 19 years
3. 33 years
4. 38 years

**Answer:** a

**EXPLANATION:**  
Let Ravi's present age be x years. Then, (40 - x) = x  
2x = 40.  
x = 20.  
Hence, Ravi's age 6 years back (20 - 6) = 14 years.

## 10) A alone can do a piece of work in 8 days and B alone in 6 days. A and B undertook to do it for Rs.4600. With the help of C, they finished the work in 3 days. What is the share of C?

1. 587
2. 575
3. 750
4. 650

**Answer:** b

**Explanation:**  
A's 1 day work= 1/8  
B's 1 day work= 1/6  
A, B and C's 1 day work = 1/3  
C's 1 day work = 1/3-(A's 1 day work+ B's 1 day work)  
= 1/3- (1/8+1/6)  
= 1/24  
Since C worked for 3 days hence C's share will be= (3/24)\*4500 = Rs.575.

## Accenture First Round: Reasoning Questions

## 1) If Ramesh ranks 14th in a class of 26, then what is his rank from the last?

1. 13
2. 15
3. 14
4. 12

## 2) Choose the below option which is suitable for the given Statement and conclusion:

## Statement

## Some pens are pencil. All pencil are chairs some chairs are tables

## Conclusions

I. Some pens are chairs  
II. Some chairs are pens  
III. All tables are chairs  
IV. Some tables are chairs

1. All follow
2. Only I,II, and III follow
3. Only I,II, and IV follow
4. Only I,III, and IV follow

**Answer:** c

## 3) If \* stands for /, / stands for -, + stands for \* and -stands for +, then 9/8\*4+5-10=?

1. 13
2. 9
3. 10
4. 1

**Answer:** b

**Explanation:**  
9-8/4\*5+10= 9-2\*5+10=9-10+10= 9

## 4) If a, b, and c are consecutive negative integers, and if a > b> c, which of the following must be a positive odd integer?

1. abc
2. (a-b)(b-c)
3. a-bc
4. a(b+c)

**Answer:** b

**Explanation:**  
For all conditions only (a-b)(b-c) satisfy to positive odd integer.

## 5) FBG, GBF, HBI, IBH, \_\_\_\_

1. JBK
2. HBL
3. HBK
4. JBI

## 6) Find the odd value 7,13,19,25,30,37,43

1. 13
2. 19
3. 30
4. 37

**Answer:** c

**Explanation:**  
There is difference of 6 between two numbers that is  
13-7=6  
19-13=6  
25-19=6  
30-25=5 (odd one)

## 7) If QUESTION = DOMESTIC then what will be the equivalent code for RESPONSE?

1. OMESUCEM
2. OMESICSM
3. OMESICEM
4. OMESISCM

**Answer:** c

**Explanation:**  
Q U E S T I O N  
D O M E S T I C here O and M are common in all option which is code for R and P respectively, and for E=M, S= E, P=S, O=I , N=C, S= E  
Hence RESPONSE will be equivalent to OMESICEM

## 8) SCD, TEF, UGH, \_\_\_\_, WKL

1. CMN
2. UJI
3. VIJ
4. IJT

## 9) Find the next term of series 24 28 36 52 84 ?

1. 144
2. 135
3. 148
4. 140

**Answer:** c

**EXPLANTION:**  
Series increases as multiple of 4  
24+4=28, 28+(4\*2)= 36, 36+(4\*4)=52, 52+(4\*8)= 84, 84+(4\*16)= 148