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Directions (1-5): Study the following information carefully and answer the questions given below. The given table shows the number of persons who visited four different places on weekend and weekdays.

Places	Weekend	Weekdays
Nilgiri Mountain	9600	4400
Vivekananda Rock	10800	6400
Madurai Meenakshi Amman temple	7200	4800
Marina Beach	11600	5200

1) What is the average number of persons who visited all four places together on the Weekend?
a) 10400
b) 9800
c) 10800
d) 8800
e) 9200

2) Total number of persons who visited Dhanushkodi Beach on the Weekend is the difference between the number of persons who visited Nilgiri mountain on Weekend and weekdays. The number of persons who visited Courtallam on Weekdays is the difference between the number of persons who visited Marina beach in weekdays and Weekend. The

number of persons who visited Dhanushkodi beach on weekends is what percent more or less than the number of persons who visited courtallam on weekdays?
a) 18.75% less
b) 22.25% less
c) 16.25% less
d) 12.75% less
e) 20.5% less

3) The number of persons who visited Chidambaram temple on the weekend is the difference between the number of persons visited Vivekananda rock in weekend and weekdays. What is the difference between the number of persons who visited the Nilgiri Mountains, Madurai Meenakshi Amman Temple and Marina Beach together on Weekdays and the number of persons who visited Chidambaram temple on the weekend?
a) 11600
b) 10400
c) 10800
d) 10000
e) 8800

4) Total number of persons who visited Vivekananda Rock and Marina beach together on Weekdays is how much less than the total number of persons who visited Marina beach

and Madurai Meenakshi Amman temple together on the Weekend?

a) 9600

b) 6400

c) 7200

d) 8800

e) 8400

5) What is the ratio of the difference between the number of persons who visited Marina beach on weekdays and weekend to the difference between the number of persons who visited Madurai Meenakshi Amman temple on Weekdays and weekend?

a) 2:1

b) 7:3

c) 5:2

d) 8:3

e) 9:2

Directions (6-10): Read the following information carefully and answer the questions.

The given table chart shows the percentage of the total number of students from five different institutes i.e. A, B, C, D and E in March and also given the ratio of the number of boys and girls in five different institutes.

Note: The total number of girls in institute B is 160 more than the total number of girls in institute C.

Institute	Percentage of the total number of students	Ratio of the total number of boys and girls
A	16.66%	7:5
B	25%	2:1
C	10%	11:7
D	33.33%	5:3
E	15%	16:11

6) If the total number of boys and girls in institute F is 28.56% and 20% more than that of institute A, then find the average number of students in institute F?

A. 375

B. 325

C. 365

D. 345

E. None of these

7) The total number of boys in institutes A, B and C together are how much more/less than the total number of girls in institutes C, D and E together?

A. 320 less

B. 340 less

C. 300 more

D. 360 more

E. None of these

8) If the total number of students in April from institute E is 22.22% more than that of March from institute E, in which 33.33% of the students

are girls and then find 37.5% of the total number of boys from institute E in April?

A. 115

B. 125

C. 165

D. 145

E. None of these

9) The total number of girls in institutes A and B together is what percentage of the total number of boys in institutes A and D together?

A. 15%

B. 50%

C. 20%

D. 35%

E. None of these

10) In institute C, the total number of students and teachers is 408 out of which 62.5% are males and then find the difference between the total number of male and female teachers in institute C?

A. 22

B. 20

C. 26

D. 24

E. None of these

Directions (11-15): Read the following information carefully and answer the questions.

The given table chart shows the total number of rupee notes (Rs.500, Rs.200 and Rs.100)

printed on five different days (Monday, Tuesday, Wednesday, Thursday and Friday) in Dewas and also given the percentage of the number of Rs.500 notes and the ratio of the number of Rs.200 and Rs.100 notes printed on five different days and Some values are missing.

Days	Total number of rupee notes printed	% of the number of Rs.500 notes printed	Ratio of the number of Rs.200 and Rs.100 notes printed
Monday	720	33.33%	5:3
Tuesday	-	40%	3:4
Wednesday	560	37.5%	-
Thursday	450	-	5:4
Friday	-	45%	2:1

11) If the number of Rs.200 notes printed on Monday and Thursday is 500, then the number of Rs.500 notes printed on Thursday is what percentage of the number of Rs.100 notes printed on Monday?

A. 15%

B. 75%

C. 20%

D. 50%

E. None of these

12) Number of Rs.200 and Rs.100 notes printed on Wednesday is how much more/less than the number of Rs.500 notes printed on Monday?

A. 110 more

B. 250 less

C. 90 more

D. 170 less

E. None of these

13) If the total number of rupee notes printed on Thursday is 25% less than that of Friday and number of Rs.500 notes printed on Tuesday is 130 less than that of Friday, then find the total number of rupee notes printed on Tuesday.

A. 280

B. 350

C. 600

D. 450

E. None of these

14) If the ratio of the number of Rs.100 notes printed on Monday and Tuesday is 3:2. Then find the ratio of Rs.500 and Rs.100 notes printed on Tuesday to the number of Rs.200 notes printed on Monday.

A. 12:5

B. 11:7

C. 13:15

D. 9:8

E. None of these

15) Total number of rupee notes printed on Monday is what percentage more than the number of Rs.500 notes printed on Monday and Wednesday together?

A. 60%

B. 25%

C. 80%

D. 55%

E. None of these

Directions (16-20): Read the following information carefully and answer the questions.

The given table shows the selling price of five different footwear i.e. Bata, Nike, Puma, VKC and Paragon is how much more/less than the selling price of footwear in the previous month.

Note: Assume that the selling price of footwear every month is more/less than the selling price of footwear in the previous month Based on their sign(Positive and Negative).

Footwear	January	February	March
Bata	Rs.50	Rs.-100	Rs.50
Nike	Rs.210	Rs.-220	Rs.55
Puma	Rs.-50	Rs.25	Rs.65
VKC	Rs.-240	Rs.100	Rs.-20
Paragon	Rs.120	Rs.-90	Rs.150

16) If the selling price of Bata footwear in February is 20% less than that of January and then find the ratio of the selling price of Bata footwear in January and that of in March?

A. 10:9

B. 5:4

C. 7:3

D. 8:5

E. None of these

17) If the selling price of Puma footwear in January is Rs.100 less than the selling price of VKC footwear in January and the selling price of Puma footwear in February is 8.33% more than that of January. Then find the selling price of VKC footwear in March?
A. Rs.440
B. Rs.460
C. Rs.420
D. Rs.480
E. None of these

18) If the selling price of Nike footwear in February and March is Rs.1155 and the ratio of the cost price to selling price of Nike footwear in January is 6:11 and then find the cost price of Nike footwear in January.
A. Rs.450
B. Rs.420
C. Rs.480
D. Rs.490
E. None of these

19) If the selling price of Paragon footwear in April is 33.33% more than that of March and the selling price of Paragon Footwear in April is 200 more than that of March. Then find the selling price of Paragon footwear in January.
A. Rs.360
B. Rs.450
C. Rs.540
D. Rs.280
E. None of these

20) If the ratio of the selling price of Bata to VKC footwear in February is 4:5 and the selling price of VKC footwear in January is 37.5% less than that of previous months and then find the selling price of Bata footwear in March?
A. Rs.450
B. Rs.210
C. Rs.350
D. Rs.520
E. None of these

Answer With Explanation

1) Answer: B
Required average = (9600 + 10800 + 7200 + 11600)/4
=39200/4 = 9800

2) Answer: A
Number of persons who visited Dhanushkodi beach on weekend = 9600 – 4400 =5200

Number of persons visited courtallam in weekdays = 11600 – 5200 = 6400
Required percentage = (6400 – 5200)/6400 * 100
= 18.75% less

3) Answer: D

Number of persons visited Chidambaram temple on weekend = 10800 – 6400

= 4400

Required difference = (4400 + 4800 + 5200) – 4400

= 10000

4) Answer: C

Required difference = (7200 + 11600) - (6400 + 5200)

= 7200

5) Answer: D

Required ratio = (11600 – 5200):(7200 – 4800)

= 6400:2400

= 8:3

Directions (6-10):

Let us consider the total number of students in five different institute=100x

The total number of students in institute B=100x/4=25x

The total number of girls in institute B=25x*1/3=25x/3

The total number of students in institute C=100x/10=10x

The total number of girls in institute C=10x*7/18=70x/18=35x/9

The total number of students in five different institutes=100x*160/(25x/3-35x/9)

=100x*160*9/40x=3600

Institute	The total number of students	The total number of boys	The total number of girls
A	3600/6=600	600*7/12=350	600-350=250
B	3600/4=900	900*2/3=600	900-600=300
C	3600/10=360	360*11/18=220	360-220=140
D	3600/3=1200	1200*5/8=750	1200-750=450
E	3600*3/20=540	540*16/27=320	540-320=220

6) Answer: A

The total number of boys in institute A=350

The total number of boys in institute F=350/7*9=450

The total number of girls in institute A=250

The total number of girls in institute F=250/5*6=300

Required average=(450+300)/2=375

7) Answer: D

The total number of boys in institutes A, B and C=350+600+220=1170

The total number of girls in institute C, D and E=140+450+220=810

Required difference=360 more

8) Answer: C

The total number of students from institute E in March=540

The total number of students from institute E in April=540/9*11=660

The total number of boys from institute E in April=660*2/3=440

Required total=440/8*3=165

9) Answer: B

The total number of girls in institutes A and B=250+300=550

The total number of boys in institutes A and D=350+750=1100

Required percentage=550/1100*100=50%

10) Answer: A

The total number of students in institute C=360

The total number of teachers in institute C=408-360=48

The total number of males students in institute C=220

The total number of males in institute C=408*5/8=255

The total number of male teachers in institute C=255-220=35

The total number of female teachers in institute C=48-35=13

Required difference=35-13=22

11) Answer: D

Number of Rs.200 and Rs.100 notes printed on Monday=66.66% of 720=720*2/3=480

Number of Rs.100 notes printed on Monday=480*3/8=180

Number of Rs.200 notes printed on Monday=480*5/8=300

Number of Rs.200 notes printed on Thursday=500-300=200

Number of Rs.200 and Rs.100 notes printed on Thursday=200*9/5=360

Number of Rs.500 notes printed on Thursday=450-360=90

Required percentage=90/180*100=50%

12) Answer: A

Number of Rs.500 notes printed on Monday=720/3=240

Number of Rs.200 and Rs.100 notes printed on Wednesday=62.5% of 560=560*5/8 =350

 Required difference=350-240=110 More

13) Answer: B

Total number of rupee notes printed on Friday=450*100/75=600

Number of Rs.500 notes printed on Friday=600*9/20=270

Number of Rs.500 notes printed on Tuesday=270-130=140

Total number of rupee notes printed on Friday=140*100/40=350

14) Answer: C

Number of Rs.200 and Rs.100 notes printed on Monday=66.66% of 720=720*2/3=480

Number of Rs.200 notes printed on Monday=480*5/8=300

Number of Rs.100 notes printed on Monday=480*3/8=180

Number of Rs.100 notes printed on Tuesday=180/3*2=120

Number of Rs.100 and Rs.200 notes printed on Tuesday=120/4*7=210

Total number of 500 rupee notes printed on Tuesday=210*40/60=140

Number of Rs.500 and Rs.100 notes printed on Tuesday=140+120=260

Required ratio=260:300=13:15

15) Answer: A

Number of Rs.500 notes printed on Monday=720/3=240

Number of Rs.500 notes printed on Wednesday=560*3/8=210

Number of Rs.500 notes printed on Monday and Wednesday=240+210=450

Required percentage = (720 – 450) / 450 * 100 = 270 / 450 * 100 = 60%

16) Answer: A

Let the selling price of Bata footwear in January=5x

The selling price of Bata footwear in February=5x*80/100=4x

The selling price of Bata footwear in January=100*5/(5-4)=Rs.500

The selling price of Bata footwear in February=500-100=Rs.400

The selling price of Bata footwear in March=400+50=Rs.450

Required ratio=500:450=10:9

17) Answer: D

Let the selling price of Puma footwear in January=12x

Let the selling price of Puma footwear in February=12x*13/12=13x

The selling price of Puma footwear in January=12x*25/(13-12)=Rs.300

The selling price of VKC footwear in January=300+100=Rs.400

The selling price of VKC footwear in March=400+100-20=Rs.480

18) Answer: B

The difference between the selling price of Nike footwear in March and February=Rs.55

The selling price of Nike footwear in March=(1155+55)/2=Rs.605

The selling price of Nike footwear in February=Rs.550

The selling price of Nike footwear in January=550+220=Rs.770

The cost price of Nike footwear in January=770/11*6=Rs.420

19) Answer: C

Let the selling price of Paragon footwear in March=3x

The selling price of Paragon footwear in April=3x*4/3=4x

The selling price of Paragon footwear in March=200*3/(4-3)= Rs.600

The selling price of Paragon footwear in January=600-150+90= Rs.540

20) Answer: A

The selling price of VKC footwear in January=240*5/3= Rs.400

The selling price of VKC footwear in February=400+100= Rs.500

The selling price of Bata footwear in February=500/5*4= Rs.400

The selling price of Bata footwear in March=400+50= Rs.450