

Practice Questions For SBI/IBPS Clerk: Table DI

Directions {1-5}: Read the table carefully and answer the following question. The table shows the number of pen and average number of pen and pencil five friends have.

Friends	Total number of pens	Average of pen and pencil
A	20	15
B	15	15
C	18	15
D	30	20
E	25	20

Q1. Find the difference between total number of pen and pencil five friends have.

- (a). 46
- (b). 47
- (c). 48
- (d). 49
- (e). 50

Ans.(a)

Sol.

For A

Total pens = 20

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 20 = 10$

For B

Total pens = 15

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 15 = 15$

For C

Total pens = 18

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 18 = 12$

For D

Total pens = 30

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 30 = 10$

For E

Total pens = 25

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 25 = 15$



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Friends	Total pen	Total pencil
A	20	10
B	15	15
C	18	12
D	30	10
E	25	15

Total pen = $20+15+18+30+25=108$

Total pencil = $10+15+12+10+15=62$

Required difference = $108-62= 46$

Q2. Find the ratio of pencil C and D have together to the pen A and B have together.

- (a). 2:3
- (b). 2:5
- (c). 22:35
- (d). 23:35
- (e). 22:37

Ans.(c)

Sol.

For A

Total pens = 20

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 20 = 10$

For B

Total pens = 15

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 15 = 15$

For C

Total pens = 18

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 18 = 12$

For D

Total pens = 30

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 30 = 10$

For E

Total pens = 25

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 25 = 15$

Friends	Total pen	Total pencil
A	20	10
B	15	15
C	18	12
D	30	10
E	25	15

Required ratio = $(12 + 10) : (20 + 15) = 22 : 35$

Q3. Find the average number of pencils all five friend have.

- (a). 12
- (b). 12.1
- (c). 12.2
- (d). 12.3
- (e). 12.4

Ans.(e)

Sol.

For A

Total pens = 20

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 20 = 10$

For B

Total pens = 15

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 15 = 15$

For C

Total pens = 18

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 18 = 12$

For D

Total pens = 30

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 30 = 10$

For E

Total pens = 25

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 25 = 15$

Friends	Total pen	Total pencil
A	20	10
B	15	15
C	18	12
D	30	10
E	25	15

$$\text{Required average} = \frac{10+15+12+10+15}{5} = \frac{62}{5} = 12.4$$

Q4. Find the sum of pen and pencil D and E have together.

- (a). 90
- (b). 80
- (c). 60
- (d). 70
- (e). 50

Ans.(b)

Sol.

For A

Total pens = 20

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 20 = 10$

For B

Total pens = 15

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 15 = 15$

For C

Total pens = 18

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 18 = 12$

For D

Total pens = 30

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 30 = 10$

For E

Total pens = 25

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 25 = 15$

Friends	Total pen	Total pencil
A	20	10
B	15	15
C	18	12
D	30	10
E	25	15

Required sum = $30 + 25 + 10 + 15 = 80$

Q5. If F has 15 pencils more than B and 10 pen more than A, then find the average of pen and pencil F has.

- (a). 60
- (b). 30
- (c). 20
- (d). 40
- (e). 50

Ans.(b)

Sol.

For A

Total pens = 20

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 20 = 10$

For B

Total pens = 15

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 15 = 15$

For C

Total pens = 18

Total pen and pencils together = $15 \times 2 = 30$

Total pencils = $30 - 18 = 12$

For D

Total pens = 30

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 30 = 10$

For E

Total pens = 25

Total pen and pencils together = $20 \times 2 = 40$

Total pencils = $40 - 25 = 15$

Friends	Total pen	Total pencil
A	20	10
B	15	15
C	18	12
D	30	10
E	25	15

Number of pencil F has = $15 + 15 = 30$

Number of pen F has = $10 + 20 = 30$

Required average = $\frac{60}{2} = 30$

Directions {6-10} : Read the following table carefully and answer the questions given below. The table shows the number of female employees and the fraction of male employees in five different companies.

Note: Total employees = Male employees + Female employees.

Companies	Number of female employees	Fraction of male employees
A	48	$\frac{2}{5}$
B	32	$\frac{3}{7}$
C	20	$\frac{5}{9}$
D	30	$\frac{7}{12}$
E	63	$\frac{6}{13}$

Q6. Find the average number of male employees in A and B.

- (a). 28
- (b). 22
- (c). 23
- (d). 25
- (e). 29

Ans.(a)

Sol.

Company A

Female employees = 48

Fraction of male employees = $\frac{2}{5}$

Fraction of female employees = $\frac{3}{5}$

Ratio of male to female employees = $\frac{2}{5} : \frac{3}{5} = 2:3$

Female employees = $48 \times \frac{2}{3} = 32$

Total employees = $48 + 32 = 80$

Similarly, others

Companies	Female employees	Male employees	Total employees
A	48	32	80
B	32	24	56
C	20	25	45
D	30	42	72
E	63	54	117

Required average = $(32 + 24)/2 = 28$

Q7. Find the ratio of the total employees in D to that of E.

- (a). 12:13
- (b). 8:13
- (c). 9:11
- (d). 11:7
- (e). 9:4

Ans.(b)

Sol.

Company A

Female employees = 48

Fraction of male employees = $\frac{2}{5}$

Fraction of female employees = $\frac{3}{5}$

Ratio of male to female employees = $\frac{2}{5} : \frac{3}{5} = 2:3$

Female employees = $48 \times \frac{2}{3} = 32$

Total employees = $48 + 32 = 80$

Similarly, others

Companies	Female employees	Male employees	Total employees
A	48	32	80
B	32	24	56
C	20	25	45
D	30	42	72
E	63	54	117

Required average = $72 : 117 = 8 : 13$

Q8. Find the difference between the total employees in A and male employees in E.

(a). 21

(b). 24

(c). 22

(d). 23

(e). 26

Ans.(e)

Sol.

Company A

Female employees = 48

Fraction of male employees = $\frac{2}{5}$

Fraction of female employees = $\frac{3}{5}$

Ratio of male to female employees = $\frac{2}{5} : \frac{3}{5} = 2:3$

Female employees = $48 \times \frac{2}{3} = 32$

Total employees = $48 + 32 = 80$

Similarly, others

Companies	Female employees	Male employees	Total employees
A	48	32	80
B	32	24	56
C	20	25	45
D	30	42	72
E	63	54	117

Required difference = $80 - 54 = 26$

Q9. The male employees in B are what percentage more or less than the total employees in C?

- (a). 46.67%
- (b). 32.28%
- (c). 16.67%
- (d). 18.33%
- (e). 26.67%

Ans.(a)

Sol.

Company A

Female employees = 48

Fraction of male employees = $\frac{2}{5}$

Fraction of female employees = $\frac{3}{5}$

Ratio of male to female employees = $\frac{2}{5} : \frac{3}{5} = 2:3$

Female employees = $48 \times \frac{2}{3} = 32$

Total employees = $48 + 32 = 80$

Similarly, others

Companies	Female employees	Male employees	Total employees
A	48	32	80
B	32	24	56
C	20	25	45
D	30	42	72
E	63	54	117

Required percentage = $\frac{45 - 24}{45} \times 100 = 46.67\%$

Q10. The number of female employees in X is 20% more than the total number of employees in A. If the ratio of male employees in X to C is 3:5, respectively, then find the total number of employees in X.

- (a). 120
- (b). 108
- (c). 111
- (d). 104
- (e). 123

Ans.(c)

Sol.

Company A

Female employees = 48

Fraction of male employees = $\frac{2}{5}$

Fraction of female employees = $\frac{3}{5}$

Ratio of male to female employees = $\frac{2}{5} : \frac{3}{5} = 2:3$

Female employees = $48 \times \frac{2}{3} = 32$

Total employees = $48 + 32 = 80$

Similarly, others

Companies	Female employees	Male employees	Total employees
A	48	32	80
B	32	24	56
C	20	25	45
D	30	42	72
E	63	54	117

Number of female employees in X = $80 \times \frac{120}{100} = 96$

Number of male employees in X = $25 \times \frac{3}{5} = 15$

Total number of employees in X = $96 + 15 = 111$

Directions {11-15} : Read the following table carefully and answer the questions given below. The table shows the total number of people who visit four restaurants, and the table also shows the percentage of males who visit these restaurants.

Restaurants	Total number of people	Percentage of males
A	450	30%
B	300	50%
C	280	75%
D	560	40%

Q11. Find the average number of females who visit D and B.

- (a). 245
- (b). 243
- (c). 258
- (d). 231
- (e). 227

Ans.(b)

Sol.

Restaurant A

Number of males who visit = $450 \times \frac{30}{100} = 135$

Number of females who visit = $450 - 135 = 315$

Restaurant B

Number of males who visit = $300 \times \frac{50}{100} = 150$

Number of females who visit = $300 - 150 = 150$

Restaurant C

Number of males who visit = $280 \times \frac{75}{100} = 210$

Number of females who visit = $280 - 210 = 70$

Restaurant D

Number of males who visit = $560 \times \frac{40}{100} = 224$



Number of females who visit = $560 - 224 = 336$

Required average = $\frac{336 + 150}{2} = 243$

Q12. The number of males who visit C is how many more or less than the number of females who visit A?

- (a). 110
- (b). 105
- (c). 120
- (d). 125
- (e). 100

Ans.(b)

Sol.

Restaurant A

Number of males who visit = $450 \times 30/100 = 135$

Number of females who visit = $450 - 135 = 315$

Restaurant B

Number of males who visit = $300 \times 50/100 = 150$

Number of females who visit = $300 - 150 = 150$

Restaurant C

Number of males who visit = $280 \times 75/100 = 210$

Number of females who visit = $280 - 210 = 70$

Restaurant D

Number of males who visit = $560 \times 40/100 = 224$

Number of females who visit = $560 - 224 = 336$

Required difference = $315 - 210 = 105$

Q13. If the number of males who visit E is three times the number of females who visit C and the total number of people who visit E is 10% less than that of A, then find the number of females who visit E and the number of males who visit B together.

- (a). 295
- (b). 315
- (c). 360
- (d). 355
- (e). 345

Ans.(e)

Sol.

Restaurant A

Number of males who visit = $450 \times 30/100 = 135$

Number of females who visit = $450 - 135 = 315$

Restaurant B

Number of males who visit = $300 \times 50/100 = 150$

Number of females who visit = $300 - 150 = 150$

Restaurant C

Number of males who visit = $280 \times 75/100 = 210$

Number of females who visit = $280 - 210 = 70$

Restaurant D

Number of males who visit = $560 \times 40/100 = 224$

Number of females who visit = $560 - 224 = 336$

Number of males who visit E = $3 \times 70 = 210$

Total number of people who visit E = $450 \times 90/100 = 405$

Number of females who visit E = $405 - 210 = 195$

Required sum = $195 + 150 = 345$

Q14. The number of females who visit B is what percentage of the total number of people who visit A?

(a). 33.33%

(b). 16.67%

(c). 8.33%

(d). 12.5%

(e). 25%

Ans.(a)

Sol.

Restaurant A

Number of males who visit = $450 \times 30/100 = 135$

Number of females who visit = $450 - 135 = 315$

Restaurant B

Number of males who visit = $300 \times 50/100 = 150$

Number of females who visit = $300 - 150 = 150$

Restaurant C

Number of males who visit = $280 \times 75/100 = 210$

Number of females who visit = $280 - 210 = 70$

Restaurant D

Number of males who visit = $560 \times 40/100 = 224$

Number of females who visit = $560 - 224 = 336$

Required percentage = $\frac{150}{450} \times 100 = 33.33\%$

Q15. Find the ratio of the number of females who visit D to the number of males who visit A.

(a). 111:49

(b). 112:45

(c). 109:43

(d). 110:47

(e). 113:40

Ans.(b)

Sol.

Restaurant A

Number of males who visit = $450 \times 30/100 = 135$

Number of females who visit = $450 - 135 = 315$

Restaurant B

Number of males who visit = $300 \times 50/100 = 150$

Number of females who visit = $300 - 150 = 150$

Restaurant C

Number of males who visit = $280 \times 75/100 = 210$

Number of females who visit = $280 - 210 = 70$

Restaurant D

Number of males who visit = $560 \times 40/100 = 224$

Number of females who visit = $560 - 224 = 336$

Required ratio = $336 : 135 = 112 : 45$

Directions {16-20} : Table given below shows number of matches played in three grounds (A, B & C) in four different months. Read the data carefully and answer the questions.

Months	Ground A	Ground B	Ground C
January	96	144	150
February	120	112	128
March	90	80	60
April	72	84	160

Q16. Total number of matches played in all three grounds in the month of March are what percent (approx.) less than total matches played in Ground B & C together in the month of February?

- (a). 6%
- (b). 4%
- (c). 2%
- (d). 7%
- (e). 8%

Ans.(b)

Sol.

Total number of matches played in all three grounds in month of March = $(90 + 80 + 60) = 230$

Total matches played in Ground B & C together in month of February = $(112 + 128) = 240$

Required percentage = $\frac{240-230}{240} \times 100 = 4.16 \approx 4\%$

Q17. Find difference between total number of matches played in ground A & B in April and average number of matches played in ground A & B in January?

- (a). 24
- (b). 12
- (c). 36
- (d). 20
- (e). 16

Ans.(c)

Sol.

Total number of matches played in ground A & B in April = $(72 + 84) = 156$

Average number of matches played in A & B in January = $\frac{(96+144)}{2} = 120$

Required difference = $156 - 120 = 36$

Q18. In August, total matches played in ground A are 20% more than that of matches played in same ground in February & total matches played in ground C are 40% more than that of matches played in same ground in April. Find total matches played in ground A & C together in the month of August.

- (a). 393
- (b). 376
- (c). 392
- (d). 368
- (e). 356

Ans.(d)

Sol.

Total matches played in ground A & C together in

month of August = $120 \times \frac{120}{100} + 160 \times \frac{140}{100}$

= $144 + 224 = 368$

Q19. Find the ratio of total matches played in ground A & C together in March to total matches played in ground B & C in January?

- (a). 25 : 47
- (b). 25 : 43
- (c). 49 : 25
- (d). 25 : 48
- (e). 25 : 49

Ans.(e)

Sol.

Required ratio = $\frac{(90+60)}{(144+150)} = 25 : 49$

Q20. Total matches played in ground A and B together in February are what percent more than total matches played in ground C in April?

- (a). 55%
(b). 40%
(c). 45%
(d). 35%
(e). 30%

Ans.(c)

Sol.

$$\text{Required percentage} = \frac{(120+112)-160}{160} \times 100$$

$$= \frac{72}{160} \times 100 = 45\%$$

Directions {21-25} : Table shows total number of three items (A, B and C) sold by three different shops (X, Y and Z). Read the data carefully and answer the questions.

Shops	A	B	C
X	84	96	120
Y	112	128	144
Z	140	160	168

Q21. Find the difference between average number of all three items sold by X & Z?

- (a). 72
(b). 36
(c). 56
(d). 48
(e). 64

Ans.(c)

Sol.

$$\text{Required difference} = \frac{(140+160+168)-(84+96+120)}{3} = 56$$

Q22. Find the sum of total item B sold by X & total item C sold by Z together?

- (a). 256
(b). 244
(c). 276
(d). 274
(e). 264

Ans.(e)

Sol. Required sum = (96 + 168) = 264

Q23. Find the ratio of total item A sold by all three shops to total item B sold by all three shops?

- (a). 7 : 6
(b). 7 : 9
(c). 7 : 8
(d). 7 : 5
(e). 7 : 10

Ans.(c)

Sol. Required ratio = $(84 + 112 + 140) : (96 + 128 + 160) = 336:384 = 7 : 8$

Q24. Find the difference between maximum number of any given item sold and the minimum number of any given item sold from all three shops?

- (a). 48
(b). 62
(c). 74
(d). 84
(e). 86

Ans.(d)

Sol. Required difference = $168 - 84 = 84$

Q25. If total item D sold by X is 36 more than total item A sold by same shop and total item E sold by Z is 10% less than total item B sold by same shop, then find difference between total item D sold by X & total item E sold by Z?

- (a). 36
(b). 32
(c). 16
(d). 24
(e). 28

Ans.(d)

Sol.

Total item D sold by X = $84 + 36 = 120$

Total item E sold by Z = $160 \times \frac{90}{100} = 144$

Required difference = $144 - 120 = 24$

Directions {26-30} : The table given below shows the book sold by four store, A, B, C & D in January and February.

Stores	January	February
A	150	264
B	224	280
C	216	175
D	156	128

Q26. 30% book sold in January and 25% book sold in February by store A are in foreign language. Find the total number of foreign language book sold by A?

- (a). 111
- (b). 113
- (c). 115
- (d). 110
- (e). 150

Ans.(a)

Sol. Required answer = $30/100 \times 150 + 25/100 \times 264$
 $= 45 + 66 = 111$

Q27. Store D sold only fiction and non-fiction books. The ratio of fiction to non-fiction books sold by D in the month of January and February is 3 : 1. Find the difference between fiction book sold by D and total books sold by A in January.

- (a). 75
- (b). 63
- (c). 15
- (d). 20
- (e). 49

Ans.(b)

Sol. Fiction book sold by D = $3/4 \times (156 + 128) = 213$
Required difference = $213 - 150 = 63$

Q28. Find the ratio of book sold by B and C in February?

- (a). 2:5
- (b). 3:1
- (c). 1:5
- (d). 2:1
- (e). 8:5

Ans.(e)

Sol. Required ratio = $280:175 = 40:25 = 8:5$

Q29. Book sold by A in February is what percent is less than total book sold by B and C together in the month of January.

- (a). 25
- (b). 30
- (c). 40
- (d). 20
- (e). 50

Ans.(c)

Sol. Required answer = $((224 + 216) - 264) / (224 + 216) \times 100 = 40\%$

Q30. In January, store E sold 20% more book than A in January and total book sold by E is 500. Find the book sold by E in February?

- (a). 180
- (b). 320
- (c). 175
- (d). 200
- (e). 250

Ans.(b)

Sol. Books sold in January by E = 120% of 150 = 180

Books sold by E in February = 500 - 180 = 320

