

TABLES - SOLVED EXAMPLES

Advertisements

Directions(Q 1 to Q 5): Answer the questions given below using the table below:

Quantity of various food items used by a restaurant during the first half of a year (in Kg.)

Food item	Jan	Feb	March	April	May	June
Rice	250	230	210	260	240	220
Wheat	320	340	280	290	300	360
Sugar	240	210	200	210	160	150
Pulses	360	300	320	245	235	250
Vegetable	380	390	385	375	355	370
Misc.	460	485	440	460	475	480

Q 1 - The quantity of sugar used in the month of April is approx. what percent of the total quantity of food items used in the same month?

- A - 21%
- B - 18%
- C - 11%
- D - 25%

Answer - C

Explanation

Quantity of sugar used in April = 210 Kg
Total quantity of food items used in april month = (260+290+210+245+375+460) kg
= 1860 kg
Required% = $(210/1860 * 100)\% = 11.4\% \cong 11\%$

Q 2 - What is the difference between the average quantity of rice used in all the given months together and the average quantity of wheat used in all months together?

- A - 60 kg
- B - 75 kg
- C - 80 kg
- D - 90 kg

Answer - D

Explanation

Average quantity of rice used = $(250+230+210+260+240+220)/6 = 1410/6 = 235$ kg
Average quantity of wheat used = $(320+340+280+290+300+360) = 1890/6 = 315$ kg
Required difference = $(315-235) = 90$ kg

Q 3 - What is the average quantity of miscellaneous items used in all the given month together?

- A - 386.45 kg
- B - 441.28 kg
- C - 356.56 kg
- D - 466.67 kg

Answer - D

Explanation

Average quantity of misc. items = $(460+485+440+460+475+480)/6 = 2800/6 = 466.67$ kg

Q 4 - What is the difference between the total quantity of pulse and the total quantity of vegetables used during the given months?

- A - 545 kg
- B - 540 kg
- C - 450 kg
- D - 380 kg

Answer - C

Explanation

Total quantity of pulses consumed = $(360+300+320+245+235+250) = 1710$ kg
Total quantity of vegetable consumed = $(380+390+385+375+355+370) = 2255$ Kg
Required difference = $(2255-1710) = 545$ kg

Q 5 - What is the respective ratio of total quantity of food items used in the month of March to the total quantity of food items used in the month of April?

- A - 366 : 367
- B - 361 : 365
- C - 367 : 368
- D - 248 : 245

Answer - C

Explanation

total quantity of food items consumed in march = $(210+280+200+245+375+460) = 1835$
total quantity of food items consumed in april = $(260+290+210+245+375+460) = 1840$ kg
required ratio = $1835 : 1840 = 367 : 368$

Directions(Q 6 to Q 10): Answer the questions given below using the table below:

Number of workers in the given six shifts of various factories.

Shifts\factory	L	M	N	O	P
7-11am	7.5	8.0	7.8	7.59	8.32
11am-3pm	6.38	7.0	7.16	6.5	7.5
3pm-7pm	6.5	7.28	6.35	6.15	7.24
7pm-11pm	7.8	5.25	6.0	6.0	6.5
11pm-3am	5.5	5.0	5.10	5.5	5.7
3am-7am	4.2	3.0	4.12	3.5	2.15

Q 6 - The total number of workers from factory O is approx. what % of the total number of workers from factory L?

A - 89%

B - 80%

C - 96%

D - 93%

Answer - D

Explanation

Total number of workers from factory O = $(7.59+6.5+6.15+6+5.5+3.5)$ thousand
= $(35.24 \times 1000) = 35240$
Total number of workers from factory L = $(7.5+6.38+6.5+7.8+5.5+4.2)$
= $(37.88 \times 1000) = 37880$
 \therefore Required % = $(35240 / 37880 \times 100)\% = 93.03\% = 93\%$

Q 7 - What is the average number of workers working in various shifts from factory P?

A - 6045

B - 6200

C - 6235

D - 6150

Answer - C

Explanation

Average number of workers in factory P = $(8.32+7.5+7.24+6.5+5.7+2.15) / 6 \times 1000$
= $37410 / 6 = 6235$

Q 8 - What is the difference in the total number of workers in various shifts from factory M and the total number of workers in various shifts from factory O?

A - 290

B - 275

C - 295

D - 270

Answer - A

Explanation

Total number of workers in factory M = $(8+7+7.28+5.25+5+3) \times 1000 = (35.53 \times 1000) = 35530$
Total number of workers in factory O = 35240
Required difference = $(35530 - 35240) = 290$

Q 9 - What is the ratio of the total number of workers from factories L and M working in the shift of 11 p.m to 3 a.m and the total number of workers working in the same shift from factories O and P?

A - 13:14

B - 15:16

C - 13:15

D - none of these

Answer - B

Explanation

Number of workers in factories L and M in the shift of 11 p.m to 3.a.m.
 $= (5.5+5) \times 1000 = (10.5 \times 1000) = 10500.$
Numbers of workers in factories O and P in the shift of 11 p.m to 3.a.m
 $= (5.5+5.7) \times 1000 = (11.2 \times 1000) = 11200$
Required ratio = $10500 : 11200 = 15 : 16$

Q 10 - What is the total of the average number of workers working in the shift of 7 a.m to 11 a.m from all the factories and the average number of workers working in the shift of 7 p.m to 11p.m from all the factories?

A - 11502

B - 15142

C - 14520

D - 14152

Answer - D

Explanation

Average number of workers working in the shift of 7 a.m to 11a.m from all factories
 $= (7.5+8+7.8+7.59+8.32) \times 1000 / 5 = 39210 / 5 = 7842$
Average number of workers working in the shift of 7 a.m to 11p.m from all factories
 $= (7.8+5.25+6+6+6.5) \times 1000 / 5 = 31550 / 5 = 6310$
Required total = $7842 + 6310 = 14152$

