Directions (Q. 1 – 5) Study the following information carefully and answer the given questions:
The following pie chart 1 shows the percentage distribution of total number of Apples (Dry + Wet) sold in different days of a week.

1) Find the ratio of Apples (Dry + Wet) sold on Tuesday to that of the Apples (Dry) sold on Thursday?
   a) 23: 7
   b) 19: 5
   c) 11: 3
   d) 35: 11
   e) None of these
   Answer: c)
   Explanation:
   The Apples (Dry + Wet) sold on Tuesday = > 800*(33/100) = 264
   The Apples (Dry) sold on Thursday = > 800*(24/100) – 500*(24/100) = > 192 – 120 = 72
   Required ratio = 264: 72 = 11: 3

2) If the Apples (Wet) sold on Friday is 60 % more than the Apples (Wet) sold on Thursday. Find the total Apples (Wet) sold on Monday and Friday together?
   a) 287
   b) 323
   c) 412
   d) 189
   e) None of these
   Answer: a)
   Explanation:
   The Apples (Wet) sold on Friday = > 160 % of the Apples (Wet) sold on Thursday = > (160/100)*500*(24/100) = 192
   The total Apples (Wet) sold on Monday and Friday together = > 500*(19/100) + 192 = 95 + 192 = 287
3) Find the difference the Apples (Dry) sold on Tuesday to the apples (Wet + Dry) sold on Thursday?

a) 42  
b) 63  
c) 77  
d) 91  
e) None of these  

Answer: b)  

Explanation:  
The Apples (Dry) sold on Tuesday  
\[= 800 \times \left(\frac{33}{100}\right) - 500 \times \left(\frac{27}{100}\right)\]  
\[= 264 - 135 = 129\]  
The apples (Wet + Dry) sold on Thursday  
\[= 800 \times \left(\frac{24}{100}\right) = 192\]  
Required difference = 192 – 129 = 63

4) Find the average of Apples (Dry) sold on Monday, Tuesday and Wednesday together?  

a) 77  
b) 82  
c) 53  
d) 76  
e) None of these  

Answer: d)  

Explanation:  
The total Apples (Dry) sold on Monday, Tuesday and Wednesday together  
\[= \left[800 \times \left(\frac{18}{100}\right) - 500 \times \left(\frac{19}{100}\right)\right] + \left[800 \times \left(\frac{33}{100}\right) - 500 \times \left(\frac{27}{100}\right)\right] + \left[800 \times \left(\frac{25}{100}\right) - 500 \times \left(\frac{30}{100}\right)\right]\]  
\[= (144 - 95) + (264 – 135) + (200 – 150)\]  
\[= 49 + 129 + 50 = 228\]  
Required average = 228/3 = 76

5) The Apples (Wet) sold on Thursday is approximately how much percentage more than the Apples (Dry) sold on same day?  

a) 67 % more  
b) 52 % less  
c) 33 % more  
d) 52 % more  
e) 67 % less  

Answer: a)  

Explanation:  
The Apples (Wet) sold on Thursday  
\[= 500 \times \left(\frac{24}{100}\right) = 120\]  
The Apples (Dry) sold on Thursday  
\[= 800 \times \left(\frac{24}{100}\right) - 500 \times \left(\frac{24}{100}\right)\]  
\[= 192 - 120 = 72\]  
Required % = \(\left[\frac{120 – 72}{72}\right] \times 100 = 66.66% = 67 \%\) more

Directions (Q. 6 – 10) Study the following information carefully and answer the given questions:  
The following table shows the total number of mails received in inbox by different users and the percentage of mails read by the users and the total number of spam mails received in a month.

<table>
<thead>
<tr>
<th>Users</th>
<th>Total number of mails received in inbox</th>
<th>Percentage of inbox mails read by the user</th>
<th>Total number of spam mails received</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>A</td>
<td>725</td>
<td>68 %</td>
<td>88</td>
</tr>
<tr>
<td>B</td>
<td>800</td>
<td>-</td>
<td>152</td>
</tr>
<tr>
<td>C</td>
<td>650</td>
<td>72 %</td>
<td>76</td>
</tr>
<tr>
<td>D</td>
<td>540</td>
<td>55 %</td>
<td>104</td>
</tr>
</tbody>
</table>

Note:

The spam mails didn’t read by the user.

The total number of mails received = Total mails received in Inbox + Total number of spam mails received.

“-“ indicates that you have to find the answer according to the question they asked.

6) Find the difference between the total number of mails didn’t read by the user A to that of user C?

a) 56
b) 43
c) 62
d) 69
e) None of these

Answer: c)

Explanation:
The total number of mails didn’t read by the user A
= > 725*(32/100) + 88
= > 232 + 88 = 320

The total number of mails didn’t read by the user C
= > 650*(28/100) + 76
= > 182 + 76 = 258

Required difference = 320 - 258 = 62

7) Number of mails read is what percentage of the total mails received in inbox by the user B, if total number of spam mails received by the user B is 38 % of total mails didn’t read by the user?

a) 35 %
b) 65 %
c) 80 %
d) 50 %
e) None of these

Answer: d)

Explanation:
The total number of spam mails received by the user B = 38 % of total mails didn’t read by the user
152 = (38/100)* total mails didn’t read by the user
Total mails didn’t read by the user B = 15200/38 = 400

Total mails read by the user B = 800 – 400 = 400

The percentage of mails read by the user B
= > (400/800)*100 = 50 %

8) Find the total number of mails read by all the given user, if the percentage of mails read by the user B is 66 %?

a) 2154
b) 1786
c) 2378
d) 1921
e) None of these

Answer: b)

Explanation:
The total number of mails read by all the given user
= > 725*(68/100) + 800*(66/100) + 650*(72/100) + 540*(55/100)
= > 493 + 528 + 468 + 297 = 1786

9) Find the ratio between the total number of mails didn’t read by the user C to that of total number of spam mails received by the user D?

a) 35 %
10) The total number of mails received in Inbox by the user D is approximately what percentage of total number of spam mails received by user A and C together?

a) 400 %

b) 370 %

c) 330 %

d) 260 %

e) 240 %

Answer: c)

Explanation:
The total number of mails received in Inbox of user D = 540
The total number of spam mails received by user A and C together = > 88 + 76 = 164
Required % = (540/164)*100 = 330 %
1) The price per square feet in the year 2011 and 2014 together = \(1360 + 2240 = 3600\)
The price per square feet in the year 2012 and 2015 together = \(1520 + 1840 = 3360\)
Required % = \(\frac{3600}{3360}\) * 100 = 107 

13) If Rahul bought 3280 Square feet of land in the year 2013 and Ragu bought 1820 Square feet of land in the year 2014, then find the ratio between the amount spent by Rahul in the year 2013 to that of the amount spent by Ragu in the year 2014?

Answer: a) 82: 91

Explanation:
The amount spent by Rahul in the year 2013 = \(3280 \times 1120\)
The amount spent by Ragu in the year 2014 = \(1820 \times 2240\)
Required ratio = \[3280 \times 1120\] : \[1820 \times 2240\] = 82: 91

14) If the amount spent by Rajesh to buy a land in the year 2012 is 38 lakhs, then find the square feet of land bought by Rajesh in the year 2012?

a) 2850 Sq feet
b) 3130 Sq feet
c) 2500 Sq feet
d) 3560 Sq feet
e) None of these

Answer: c)

Explanation:
The amount spent by Rajesh to buy a land in the year 2012 = 38 lakhs
The square feet of land bought by Rajesh in the year 2012 = \(\frac{3800000}{1520} = 2500\) Square feet

15) Find the average price per square feet of land in all the given years except 2015?

a) 1712
b) 2855
c) 1257
d) 2386
e) None of these

Answer: a)

Explanation:
The average price per square feet of land in all the given years except 2015 = \(\frac{1360 + 1520 + 1120 + 2240 + 2320}{5}\)
= \(\frac{8560}{5} = 1712\)