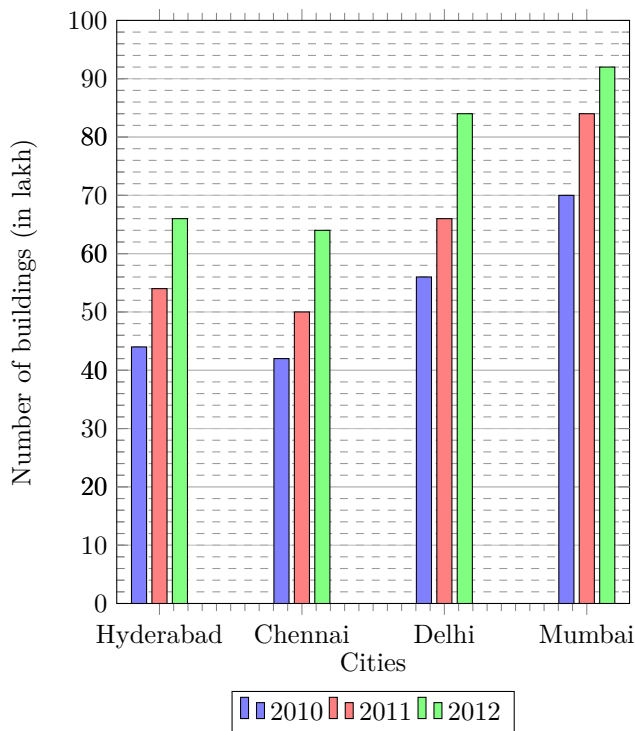## 1   Data Interpretation

1. The following bar chart shows the number of buildings present (in lakh) in four different cities Hyderabad, Chennai, Delhi and Mumbai in three different years. The percentage increase in number of buildings in Chennai from 2010 to 2011 is about?
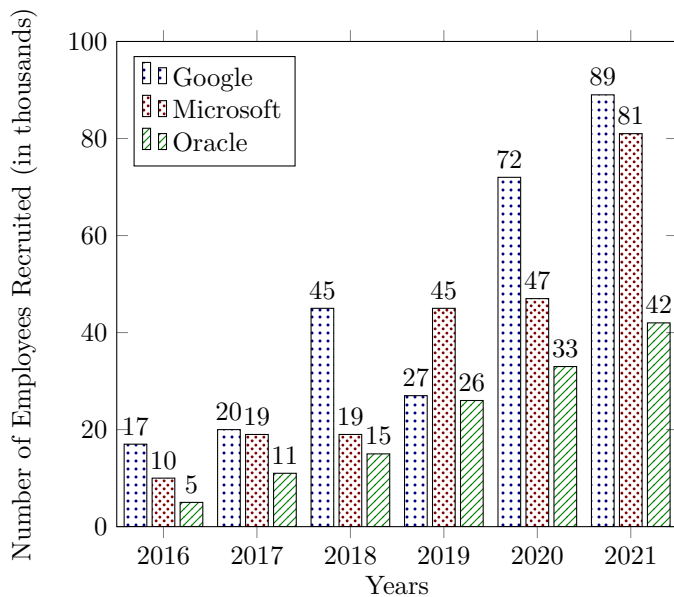

A. 22.22%

B. 27.27%

C. 19.05%

D. 21.05%

2. What is ratio of the number of buildings in Chennai in 2011 and the number of buildings in Mumbai in 2012 together to the number of buildings in Hyderabad in 2010?

A. 71 : 22

B. 30 : 11

C. 32 : 23

D. 79 : 32

3. Which of the four cities has recorded the maximum percentage growth in number of buildings from 2010 to 2011?

A. Mumbai

B. Delhi

C. Hyderabad

D. Chennai

4. The difference between the average number of buildings in all four cities in 2011 and average number of buildings in all four cities in 2012 is

A. 1,300,100

B. 1,299,920

C. 1,300,000

D. 1,300,200

5. If a stacked bar chart is created to show the total number of buildings (in lakh) in the years 2010, 2011, and 2012 for each city (Hyderabad, Chennai, Delhi, Mumbai), what would be the percentage of bar that is occupied by Hyderabad in the year 2012?

A. 20.9%

B. 30.1%

C. 27.5%

D. 21.6%

A spaceship's interior is being redesigned. All compartments are cuboid-shaped (meaning length, width, and height are all rectangular). The redesign project involves a relaxation lounge measuring 12 meters by 12 meters, a captain's quarters measuring 6 meters by 8 meters, an engine room measuring 6 meters by 8 meters, a docking bay measuring 24 meters by 26 meters, and a main bridge measuring 30 meters by 44 meters. The total internal volume of the spaceship is 4364 cubic meters. Two types of wall paneling are available: a sleek, metallic option and a plush, sound-dampening material. The metallic paneling costs 128 credits per square meter, while the sound-dampening material costs 260 credits per square meter. The relaxation lounge, captain's quarters, and main bridge will be outfitted with sound-dampening panels for optimal comfort and communication. The docking bay and engine room will utilize the metallic panels for durability and ease of maintenance. Paneling is done for only ceiling and flooring if whole room area is considered we should include all 4 walls too.
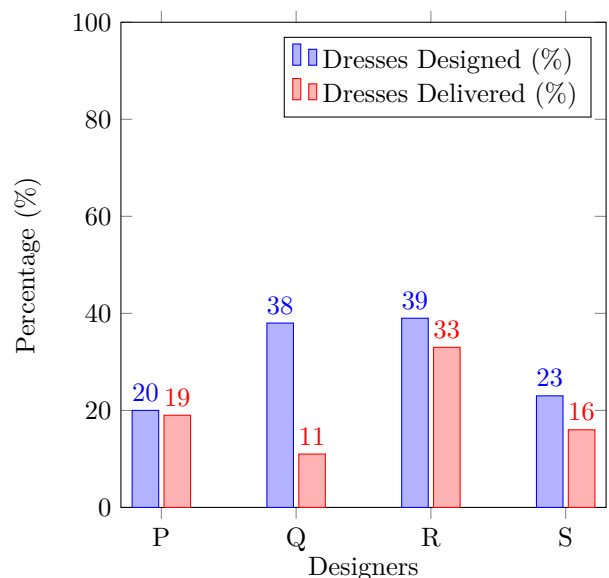
Please answer the following questions.

6. What is the total area (in square meters) of the walls in the relaxation lounge, captain's quarters, and main bridge combined, considering they will be outfitted with sound-dampening panels?

   A. 3027

   B. 3024

   C. 1512

   D. 3022

7. What is the total cost (in credits) of outfitting the docking bay and engine rooms with metallic panelling?

   A. 57344

   B. 86016

C. 172032

D. 172030

8. By how much is the total area (in square meters) of the relaxation lounge's floor greater than the total area of the captain's quarters' floor?

   A. 96

   B. 94

   C. 32

   D. 48

9. What is the total cost (in credits) of outfitting the entire spaceship with panels?

   A. 958272

   B. 479136

   C. 958270

   D. 319424

10. What is the percentage of the relaxation lounge's floor area relative to the total internal volume of the spaceship?

   A. 5.30%

   B. 6.30%

   C. 1.30%

   D. 3.30%

11. Study the following graph carefully to answer the questions that follow. This graph basically represents number of employees recurited (in thousand) in three different companies in six different years. What is the average number of employees recruited in the Oracle over all the years together.

A. 10,333

B. 22,020

C. 22,000

D. 27,333

12. Number of employees recruited in Oracle in year 2020 is what percentage of number of employees recruited in Google in year 2017?

    A. 135.00%

    B. 167.00%

    C. 165.00%

    D. 130.00%

13. If 30% of employees recurited in Microsoft in 2021 was female, what is the number of males recurited in Microsoft in that year?

    A. 31,500

    B. 56,700

    C. 13,300

    D. 57,700

14. What was the respective ratio between the number of employees recruited for Microsoft in 2016 and the number of employees recruited in Google in 2020?

    A. 5 : 18

B. 36 : 5

C. 2 : 9

D. 5 : 36

15. If a pie chart is to be created showing the total recruitments by each company in the six years, then the angle occupied by Microsoft in degrees will be?

    A. 76.3°

    B. 156.0°

    C. 197.9°

    D. 127.7°

16. Given bar graph shows percentage distribution of dresses designed by four designers (P, Q, R and S) and percentage of dresses delivered by these four designers out of total dresses designed by each. Total dresses designed by all four designers together is 4000. Read the data carefully and answer the questions. Find the difference between total undelivered dresses by P and S together and total delivered dresses by R?

    A. 1001.00

    B. 1000.00

    C. 999.00

    D. 1003.00

17. If total dresses delivered by designer T are 10% more than total dresses delivered by Q and designer T de-

livered 40% of its total designed dresses, then find difference between total dresses designed by T and total dresses designed by R?

    A. 349.00

    B. 350.00

    C. 353.00

    D. 351.00

18. Find average number of delivered dresses by Q,R,S?

    A. 801.00

    B. 799.00

    C. 800.00

    D. 803.00

19. Find ratio of total dresses delivered by P and R together to total dresses delivered by Q?

    A. 5.73

    B. 7.73

    C. 4.73

    D. 3.73

20. If total dresses delivered by Dealer U is 100% more than total undelivered dresses by S and U delivered 30% of

total designed dresses, then find undelivered dresses by U are what percent of delivered dresses by P?

    A. 174.93%

    B. 172.93%

    C. 170.93%

    D. 171.93%

21. In a series circuit with a 8V battery and a resistor of 2 Ω, what is the power dissipated by the resistor?

    A. 33.000

    B. 32.000

    C. 31.000

    D. 30.000

22. The runs scored by a batsman in 5 ODIs are 30, 53, 17, 119, and 106. The standard deviation is

    A. 41.669

    B. data insufficient

    C. 65.000

    D. 40.669

* * * All the Best * * *