

IBPS RRB 2021

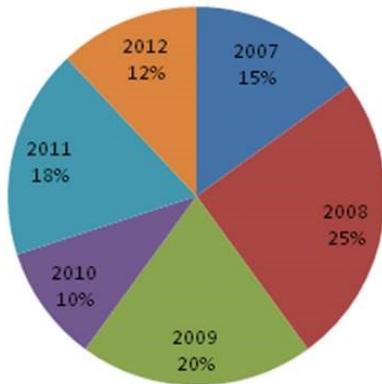
**Important Quantitative
Aptitude Questions
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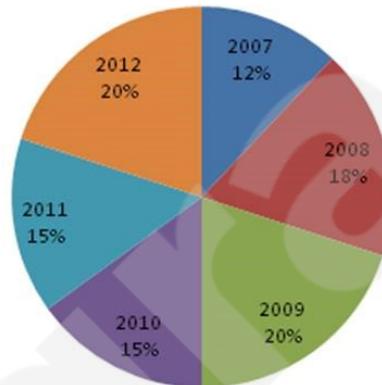
15. Approximately what is the percentage of candidates qualified over appeared from all the Institutes together in 2007?
- A. 68
B. 55
C. 74
D. 92
E. 86

Direction (16-20): Study the following pie-charts carefully and answer the questions given below: Year-wise Breakup of the number of candidates appeared for an entrance exam and Year-wise Breakup of the number of candidates who cleared the entrance exam.

Total Number of candidates appeared in the entrance exam from 2007-2012 = 260000



Total Number students who cleared the entrance test from 2007-2012 = 32000



16. What was the ratio of the number of students appeared for the entrance exam in 2009 and the number of students who cleared the exam in 2007 respectively?
- A. 18 : 4
B. 325:29
C. 325:24
D. 111 : 24
E. None of these
17. The total number of students appeared in entrance exam from 2008 and 2011 was what percentage of number of students appeared for the entrance exam in 2009?

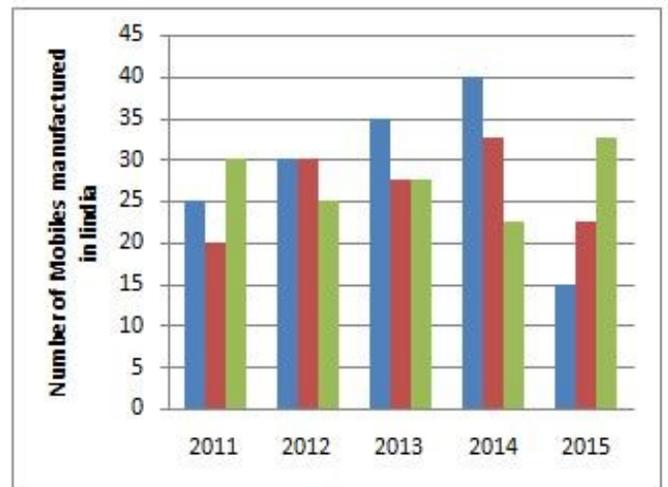
- A. 120%
B. 150%
C. 215%
D. 250%
E. None of these

18. What was the difference between the number of students who cleared the entrance exam in 2008 and number of students who cleared the entrance exam in 2010?
- A. 1120
B. 1020
C. 960
D. 912
E. None of these
19. The total number of students who cleared the exam from all years together is what percent of the total number of students appeared for the exam in all years together?
- A. 17.5%
B. 15%
C. 11.5%
D. 12.3%
E. None of these
20. What was the total number of students cleared the entrance exam in 2007 and 2012 together?
- A. 10240
B. 15200
C. 11520
D. 11220
E. None of these

Directions (21-25): Study the following graph carefully and answer the questions given below it:

Production of three types of mobiles by a company over the years (in lakh)

Type P- ■ Type Q- ■ Type R- ■



21. What was the percentage drop in the number of R type mobiles manufactured from 2013 to 2014?
- A. 18.18
B. 21.25
C. 23.25
D. 19.50
E. None of these



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22. What was the difference between the number of Q type mobiles manufactured in 2013 and 2014?
 A. 6 lakh B. 5 lakh
 C. 5.5 lakh D. 4.75 lakh
 E. None of these
23. The total number of all the three types of mobiles manufactured was the least in which of the following years?
 A. 2014 B. 2015
 C. 2011 D. 2013
 E. None of these
24. In which of the following years was the percentage production of Q type to R type mobiles the maximum?
 A. 2013 B. 2011
 C. 2014 D. 2012
 E. None of these
25. The total production of R type mobiles in 2011 and 2012 together was what percentage of Q type mobiles in 2013?
 A. 220 B. 210
 C. 195 D. 185
 E. None of these

Directions (26-30): In the following question two equations numbered I and II are given. You have to solve both the equations and answer the question.

26. I. $p^2 + 24 = 11p$
 II. $2q^2 + 24 = 14q$
 A. If $p > q$ B. If $p \geq q$
 C. If $p < q$ D. If $p \leq q$
 E. If $p = q$ or the relationship cannot be established
27. I. $p^2 + 36 = 12p$
 II. $4q^2 + 64 = 32q$
 A. $p > q$ B. $p \geq q$
 C. $p < q$ D. $p \leq q$
 E. $p = q$ or the relationship cannot be established
28. I. $3p^2 + 21p + 30 = 0$
 II. $3q^2 + 17q + 24 = 0$
 A. If $p > q$ B. If $p \geq q$
 C. If $p < q$ D. If $p \leq q$
 E. If $p = q$ or the relationship cannot be established
29. I. $p^2 + 16p + 55 = 0$
 II. $q^2 + 16q + 63 = 0$
 A. If $p > q$ B. If $p \geq q$
 C. If $p < q$ D. If $p \leq q$
 E. If $p = q$ or the relationship cannot be established

30. I. $p^2 = 9$
 II. $q^2 + 6q = -9$
 A. If $p > q$ B. If $p \geq q$
 C. If $p < q$ D. If $p \leq q$
 E. If $p = q$ or the relationship cannot be established
31. Anuj invested a certain amount in two schemes A & B in the ratio of 4:5. At the end of one year, he earned total dividend of 30% on his investment. After one year, he reinvested the amount including the dividend in the ratio of 6:7 in schemes A & B again. If the amount reinvested in scheme B was 94,500 rs. What was the original amount invested in scheme B?
 A. 71,000 Rs B. 75,000 Rs
 C. 95,000 Rs D. 60,000 Rs
 E. None of these
32. In one hour a swimmer goes 11 km along the stream and 5 km against the stream. The speed of the swimmer in still water (in km/h) is
 A. 5 B. 6
 C. 8 D. 9
 E. None of these
33. The simple interest accrued on a sum of certain principal is 4000 in four years at the rate of 8 p.c.p.a. What would be the compound interest accrued on same principal at same rate in two years?
 A. Rs. 1920 B. Rs. 1890
 C. Rs. 2080 D. Rs. 2160
 E. None of these
34. An amount of money is to be divided among K, L, and M in the ratio of 3:5:7 respectively if the amount received by M is Rs.3500 more than the amount received by L, what will be the total amount received by K and L together.
 A. Rs. 14000 B. Rs. 14500
 C. Rs. 13500 D. Rs. 13800
 E. None of these
35. Pradeep invested 20% more than Mohit. Mohit invested 10% less than Raghu. If the total sum of their investment is ₹ 17880, how much amount did Raghu invest?
 A. ₹ 6000 B. ₹ 8000
 C. ₹ 7000 D. ₹ 5000
 E. None of these
36. The ages of Nishi and vinnee are in the ratio of 6: 5 respectively. After 9 yr the ratio of their ages will be 9: 8. What is the difference in their ages?
 A. 9yr B. 7yr
 C. 5yr D. 3yr
 E. None of the above
37. Seema sold a mobile phone at the cost of Rs 1950 at a loss of 25%. At what cost will she have to sell it to get a profit of 30%?
 A. Rs 3300 B. Rs 2600
 C. Rs 2535 D. Rs 3380
 E. None of these



38. Train-A crosses a pole in 25 seconds and another Train-B crosses a pole in 1 min and 15 sec. Length of Train-A is half length of Train B. What is the respective ratio between the speeds of Train-A and Train-B?
A. 3 : 2 B. 3 : 4
C. 4 : 3 D. Cannot be determined
E. None of these
39. 6 women alone can complete a piece of work in 10 days, whereas 10 children alone take 15 days to complete the same piece of work. How many days will 6 women and 10 children together take to complete the piece of work?

- A. 7 B. 8
C. 6 D. 4
E. None of these
40. There are 5 Red, 5 Blue and 5 Green balls in a Bag. Two balls are drawn at random. Find the probability that at least one ball out of drawn balls is Green
A. 2/7 B. 1/3
C. 3/7 D. 4/7
E. None of these



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