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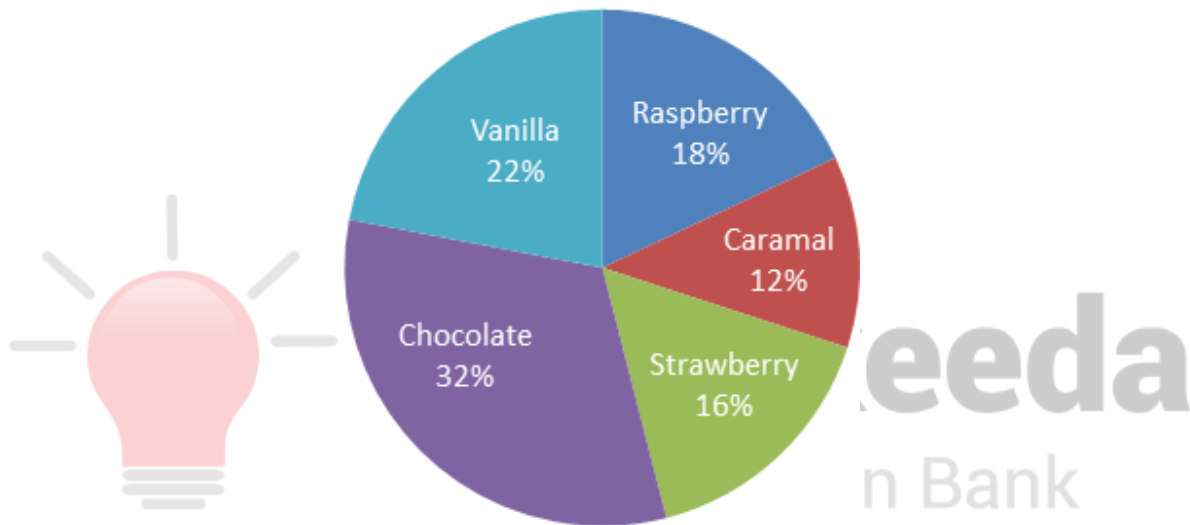
DI Pie Chart Questions for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and LIC AAO Pre Exams.

DI Pie Chart No. 71

Directions: Study the following pie chart carefully and answer the questions given beside.

Given below is the pie chart which shows the percentage distribution of the five type of icecreams available in a ice-cream parlor.

Total number of ice-creams is 550.



1. If number of females who purchased Vanilla ice-cream is 21 more than number of males who purchased same flavored ice-cream, then find the number of females who purchased Vanilla ice-cream?

- A. 71 B. 75 C. 58 D. 84 E. 66

2. Find the central angle for Chocolate flavored ice-cream.

- A. 117.5° B. 115.2° C. 112.8° D. 108.5° E. 118.8°

3. If total ice-creams of another ice-cream parlor is 20% more than ice-creams of the given ice-cream parlor, then what will be total ice-creams of Raspberry and Caramal flavored sold from the new ice-cream parlor if the percentage-distribution for different flavored ice-creams remains same.

- A. 200 B. 178 C. 181 D. 186 E. 198

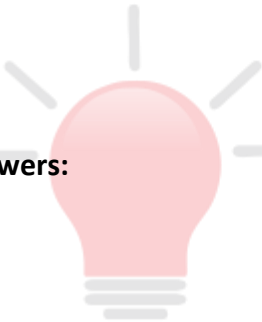
4. What is the ratio of total Raspberry and Strawberry ice-creams sold to the total Chocolate and Vanilla ice-creams sold?

- A. 15 : 17 B. 27 : 15 C. 17 : 27 D. 13 : 17 E. 14 : 15

5. What is the difference between average number of Raspberry and Vanilla ice-creams sold together and average number of Strawberry and Chocolate ice-creams sold together?

- A. 33 B. 30 C. 42 D. 22 E. 28

Correct Answers:



| | | | | |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| A | B | E | C | D |

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Explanations :

1. Let the number of males who purchased Vanilla ice-cream be y

Then

$$y + y + 21 = 22 \times \frac{550}{100}$$

$$y = 50$$

$$\text{Required number of females} = 50 + 21 = 71$$

Hence, option A is correct.

2. Chocolate is 32%.

$$\text{As, } 100\% = 360^\circ$$

$$\Rightarrow 32\% = 115.2^\circ$$

Hence, option B is correct.

3. Total ice-creams of the new ice-cream parlor

$$= 120 \times \frac{550}{100} = 660$$

$$\text{Total ice-creams of Raspberry and Caramal flavored sold} = (18\% + 12\%) \text{ of } 660 = 198$$

Hence, option E is correct.

4. Required ratio = $(18\% + 16\%) : (32\% + 22\%) = 34 : 54 = 17 : 27$

Hence, option C is correct.

- 5.

$$\text{Reqd. difference} = [(32\% + 16\%) - (18\% + 22\%)] \times \frac{550}{2}$$

$$= 8\% \text{ of } \frac{550}{2} = 8\% \text{ of } 275 = 22$$

Hence, option D is correct.



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