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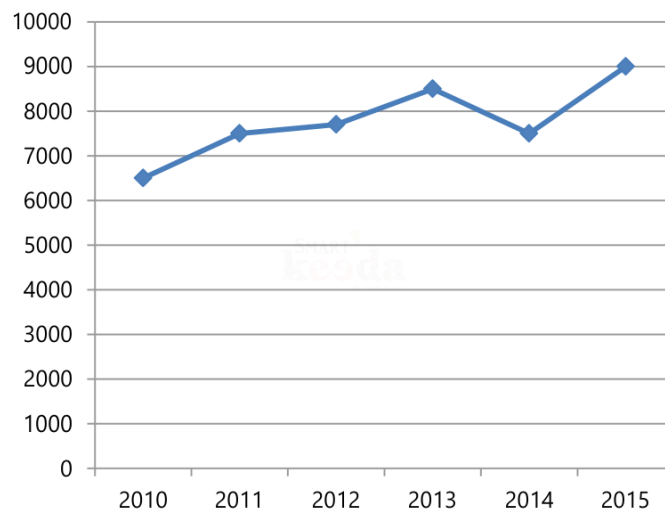
# Date Interpretation Mixed Chart Questions Quiz for SBI PO Pre, IBPS PO Pre, SBI Clerk Mains, IBPS Clerk Mains and IBPS RRB Exams.

## Data Interpretation Mixed Chart Quiz 11

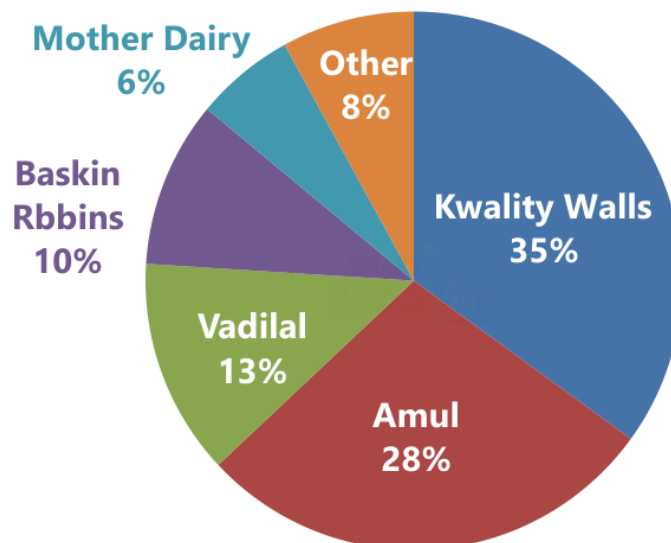
Direction: Study the following line and pie chart carefully and answer the questions based on it.

Refer to the line graph and pie-chart below and answer the question that follows. The line graph shows Ice-cream market size (in crores) in India from the year 2010 to 2015 and the pie chart depicts percentage market shares of different Ice-cream brands in 2013.

Ice-cream market in India



Market Share of various companies in 2013



**1. If the market share of Vadilal increases by 38% from 2013 to 2015, what would be the approximate market share of Vadilal in 2015?**

- A. 12%                      B. 17%                      C. 14%                      D. 21%                      E. 19%

**2. What is the difference between the market share of Amul and that of Mother Dairy in 2013?**

- A. Rs. 1650 crore      B. Rs. 1950 crore      C. Rs. 1870 crore      D. Rs. 1750 crore  
E. Other than the given options

**3. If the market share of all the companies remain the same in 2014, what was the increase/decrease in the turnover of Amul from 2013 to 2014?**

- A. decreased by 280 crore                      B. increased by 520 crore                      C. decreased by 420 crore  
D. increased by 620 crore                      E. Other than the given options

**4. What is the market share of Mother Dairy in 2016, if the market share of each company remains the same as in 2013 and the ice-cream market increased by 20% from 2013 to 2016?**

- A. Rs. 640                      B. Rs. 720                      C. Rs. 612                      D. Rs. 900                      E. Rs. 570

**5. If the market share of the companies in 2015 is the same as in 2013 and in 2016 the ice-cream market increases by 10% from the previous year but the share of Kwality Walls falls by 20%. What is the percentage change in the market share of Kwality Walls from 2015 to 2016?**

- A. 18.24%                      B. 13.14%                      C. 12.54%                      D. 9.54%                      E. 19.14%

**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
B	C	A	C	D

## Explanations:

### 1. Approach I:

Market share of Vadilal in 2013

$$= \frac{13 \times 8500}{100} = ₹ 1105 \text{ crore}$$

Market share of Vadilal in value in 2015

$$= \frac{(100+38) \times 1105}{100} = ₹ 1524.9 \text{ crore}$$

Therefore, Market share of Vadilal in 2015 in percentage

$$= \frac{\text{Market Share of Vadilal in value}}{\text{Total Market Share}} \times 100\%$$

$$= \frac{1524.9}{9000} \times 100\% = 16.94\% \approx 17\%$$

### Approach II:

$$138\% \text{ of } 13\% \text{ of } 8500 = 1524.9$$

$$\therefore \text{Reqd. \%} = \frac{1524.9}{9000} \times 100 = 16.94\% \approx 17\%$$

Hence, option B is correct.

### 2. Difference between the market share of Amul and that of Mother Dairy in 2013 = 28 – 6 = 22%

∴ 22% of Market size of Ice-cream in 2013

= 22% of 8500 cr

$$= \frac{22 \times 8500}{100} = \text{Rs. } 1870 \text{ crore}$$

Hence, option C is correct.

**3.** It's evident from the Line-graph that the Market size of ice-cream from 2013 (8500 cr) to 2014 (7500 cr) has decreased.

∴ Decrease in market size from 2013 to 2014 =  $(8500 - 7500) = 1000$  crore

∴ The decrease in market share of of Amul's turnover

= 28% of 1000 cr

$$= \frac{28 \times 1000}{100} = \text{Rs. } 280 \text{ crore}$$

Hence, option A is correct.

**4. Approach I:**

Increased Ice-cream market size in 2016

= 120% of 8500

$$= \frac{120 \times 8500}{100} = \text{Rs. } 10200$$

∴ Market share of Mother Dairy in 2016

6% of 10200 cr

$$= \frac{6 \times 10200}{100} = \text{Rs. } 612 \text{ crore}$$

**Approach II:**

Market share of Mother Dairy in 2016

120% of 6% of 8500 = Rs. 612 crore

Hence, option C is correct.

5. Increased Ice-cream market in 2016

110% of 9000 cr

$$= \frac{9000 \times 110}{100} = 90 \times 110 = \text{Rs. } 9900 \text{ crore}$$

Value of share of Kwality Walls in 2015 which is same as in 2013

= 35% of 9000

$$= \frac{9000 \times 35}{100} = \text{Rs. } 3150 \text{ crore}$$

Therefore, value of share of Kwalitywalls in 2016 after decrement of 20%

80% of 3150 cr

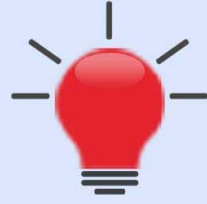
$$= \frac{3150 \times 80}{100} = \text{Rs. } 2520 \text{ crore}$$

Now, % share of Kwality Walls in 2016

$$= \frac{2520}{9900} \times 100 = 25.45\%$$

Total percentage change in Market share of Kwalitywalls in 2016 = 35 – 25.45 = 9.54%

Hence, option D is correct.



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