

Direction To Solve

Directions: Study the table carefully to answer the Questions that follow:

*The number of persons visiting six different Supermarkets
And the percentage of Men, Women and Children visiting
those supermarkets*

Names of the Super Markets	Total Number of Persons	Percentage of		
		Men	Women	Children
A	34560	35	55	10
B	65900	37	43	20
C	45640	35	45	20
D	55500	41	26	33
E	42350	6	70	24
F	59650	24	62	14

Source: IBPS PO Quantitative Aptitude Paper 2011

1- The number of men visiting Super Market D forms approximately what percent of the total number of person visiting all the Super Markets together?

- A.11
- B.5.50
- C.13
- D.9
- E.7.50

Answer & Explanation

Answer - D (7.50)

Explanation -

Number of Men visiting supermarket D

$$= 41 \% \text{ of } 55500 = 22755$$

Total number of people visiting all supermarkets =

$$34560 + 65900 + 45640 + 55500 + 42350 + 59650$$

$$= 303600$$

$$\text{Required percentage} = (22755 / 303600) \times 100 = 7.50 \% \text{ (Approx.)}$$

2- The number of children visiting Super Market C forms what percent of the number of children visiting Super Market F? (rounded off to two digits after decimal)

- A.91.49
- B.49.85

- **C.**121.71
- **D.**109.30
- **E.**None of these

Answer & Explanation

Answer - **D** (109.30)

Explanation -

Number of children visiting supermarket C

= 20 % of 45640 = 9128

Number of children visiting supermarket F

= 14 % of 59650 = 8351

Required percentage = $(9128 / 8351) \times 100 = 109.30 \%$

3- What is the total number of children visiting Super Markets B and D together?

- **A.**18515
- **B.**28479
- **C.**31495
- **D.**22308
- **E.**None of these

Answer & Explanation

Answer - **C** (31495)

Explanation -

Total number of children visiting supermarkets B and D together

= 20 % of 65900 + 33 % of 55500

= 13180 + 18315

= 31495

4- What is the average of women visiting all the Super Markets together?

- **A.**24823.5
- **B.**22388.5
- **C.**26432.5
- **D.**20988.5
- **E.**None of these

Answer & Explanation

Answer - A (24823.5)

Explanation -

Total number of women

= 55 % of 34560 + 43 % of 65900 + 45 % of 45640 + 26 % of 55500 + 70 % of 42350 + 62 % of 59650

= 19008 + 28337 + 20538 + 14430 + 29645 + 36983

= 148941

Required average = $(148941 / 6) = 24823.5$

5- What is the number of ratio of the number of women visiting Super Market A to that of those visiting Super Market C?

- **A.**35 : 37
- **B.**245 : 316
- **C.**352 : 377
- **D.**1056 : 1141
- **E.**None of these

Answer & Explanation

Answer - D (1056 : 1141)

Explanation -

Required ratio = 19008 : 20538

= 1056 : 1141