



# SmartKeeda

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Presents

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**Correct Answers:**

|          |          |          |          |          |
|----------|----------|----------|----------|----------|
| <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> |
| A        | B        | C        | C        | E        |

**Explanations:****1.**

$$\text{Reqd. avg.} = \frac{156 + 179 + 211 + 259 + 230}{5}$$

$$= \frac{1035}{5}$$

= 207 thousand

Hence, option A is correct.

**2.**

$$\text{Reqd. \%} = \frac{231 - 180}{180} \times 100$$

$$= \frac{51 \times 100}{180}$$

= 28.33%

Hence, option B is correct.

**3.** No. of cars sold by showroom E in July = 250

Now, as two percentage transactions are incurring on one specific base value we can apply the net % effect formula to get to know the overall % increase.

$$\text{Net \% effect} = x + y + \frac{xy}{100}$$

Putting the values we get,

$$\text{Net \% effect} = 8 + 20 + \frac{8 \times 20}{100} = 29.6\%$$

Therefore, the number of cars sold by E in September = 129.6% of 250 = 324

Hence, option C is correct.

**4.** The number of cars sold by all stores in August

$$= \frac{7}{9} \text{ of (Cars sold by all stores in June)}$$

$$= \frac{7}{9} \times (205 + 198 + 259 + 165 + 181)$$

$$= \frac{7}{9} \times 1008 = 7 \times 112 = 784$$

Hence, option C is correct.

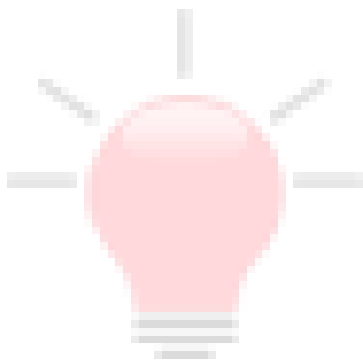
5.

$$\text{Reqd. \%} = \frac{178 - 154}{154} \times 100$$

$$= \frac{24 \times 100}{154}$$

$$= 15.6\%$$

Hence, option E is correct.



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