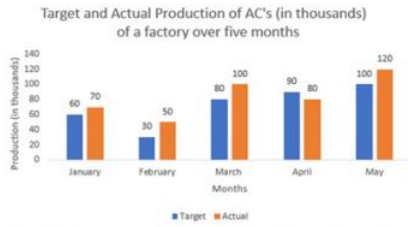


Q.1 Study the given graph and answer the question that follows.



The ratio of the actual production of AC's in February and April to that of the target production of AC's in January and April is:

- Ans**
- 1. 15 : 13
 - 2. 13 : 15
 - 3. 7 : 9
 - 4. 9 : 7

Question ID : 65497817089
Chosen Option : 2

Q.2 Twenty persons take 15 days to complete a certain work, working 8 hours a day. To complete the same work in 4 days, working 10 hours a day, the number of persons required is:

- Ans**
- 1. 75
 - 2. 60
 - 3. 80
 - 4. 55

Question ID : 65497817067
Chosen Option : 1

Q.3 After allowing a discount of 10% on the marked price of an article, it is sold for ₹450. Had the discount not been given, the profit would have been 25%. What is the 50% of the cost price (in ₹) of the article?

- Ans**
- 1. 150
 - 2. 200
 - 3. 175
 - 4. 250

Question ID : 65497817073
Chosen Option : 2

Q.4 The ratio of the incomes of A and B is 1 : 2 and that of their expenditure is 2 : 3. If 80% of B's expenditure is equal to the income of A, then what is the ratio of the savings of B to the savings of A?

- Ans**
- 1. 2 : 9
 - 2. 9 : 2
 - 3. 7 : 3
 - 4. 3 : 7

Question ID : 65497817078
Chosen Option : 1

Q.5 A farmer borrowed ₹1,32,000 from a money lender to do cultivation in his field. The rate of interest is 12.5% per annum compounded annually. At the end of two years, he cleared his loan by paying ₹1,07,062.50 and his scooter. The cost (in ₹) of the scooter is:

- Ans**
- 1. 75,000
 - 2. 45,000
 - 3. 60,000
 - 4. 50,000

Question ID : 65497817080
Chosen Option : 3

Q.6 The value of $\left(4\frac{1}{5} - 3\frac{1}{10} \text{ of } 1\frac{1}{7}\right) \div \left(6\frac{1}{3} - 3\frac{1}{5} \text{ of } 1\frac{1}{2}\right)$ is:

- Ans**
- 1. $\frac{3}{5}$
 - 2. $\frac{5}{9}$
 - 3. $\frac{5}{7}$
 - 4. $\frac{3}{7}$

Question ID : 65497815673
Chosen Option : 4

Q.7 In a week, the prices of a bag of tea were ₹350, ₹280, ₹340, ₹270, ₹360, ₹310 and ₹300. The range (in ₹) is:

- Ans**
- 1. 100
 - 2. 80
 - 3. 70
 - 4. 90

Question ID : 65497817082
Chosen Option : 4

Q.8 The cost price of an article is $\frac{7}{6}$ times the selling price. What is the loss/gain percentage (correct up to two decimal places)?

- Ans**
- 1. Loss 14.29%
 - 2. Gain 16.67%
 - 3. Loss 16.67%
 - 4. Gain 19.54%

Question ID : 65497817075
Chosen Option : 1



Q.9 The area of a trapezium, whose parallel sides are 25 cm and 19 cm long, is 330 cm^2 . The distance between the sides (in cm) is:

- Ans**
- 1. 10
 - 2. 12
 - 3. 30
 - 4. 15

Question ID : 65497817085
Chosen Option : --

Q.10 6 copies of a book can be bought for a certain sum payable at the end of a year, and 7 copies of the same book can be bought for the same sum in cash money. What is the rate per annum of simple interest (correct to one decimal place)?

- Ans**
- 1. 10.9%
 - 2. 15.5%
 - 3. 16.7%
 - 4. 30.4%

Question ID : 65497817081
Chosen Option : 3

Q.11 'A' alone can do a piece of work in 10 days and 'B' alone in 15 days. 'A' and 'B' undertook to do it for ₹42,000. With the help of 'C', they completed the work in 5 days. How much (in ₹) is to be paid to 'B'?

- Ans**
- 1. 14,000
 - 2. 15,000
 - 3. 21,000
 - 4. 7,000

Question ID : 65497817068
Chosen Option : 1

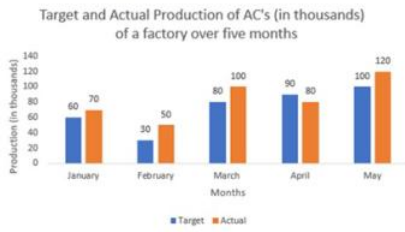
Q.12 An aeroplane covers a certain distance at a speed of 280 km/h in $4\frac{3}{4}$ hours. To cover the same distance in 7 hours, it must travel at a speed (in km/h) of:

- Ans**
- 1. 140
 - 2. 190
 - 3. 175
 - 4. 180

Question ID : 65497817069
Chosen Option : 2



Q.13 Study the given graph and answer the question that follows.

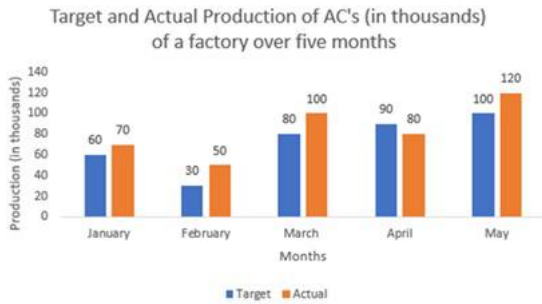


The actual production of ACs in May is what percentage more than the average target production of ACs over the period of 5 months (correct to the nearest integer)?

- Ans**
- 1. 67
 - 2. 50
 - 3. 69
 - 4. 51

Question ID : 65497817090
Chosen Option : 1

Q.14 Study the given graph and answer the question that follows.



In which month is the actual production of ACs is 66% more than the target production?

- Ans**
- 1. April
 - 2. February
 - 3. March
 - 4. May

Question ID : 65497817091
Chosen Option : 2

Q.15 If the radius of the base of a right circular cylinder is 4 m and the area of the curved surface of the cylinder is 19.5 m^2 , then its volume (in m^3) is:

- Ans**
- 1. 65
 - 2. 42
 - 3. 36
 - 4. 39

Question ID : 65497817083
Chosen Option : --

Q.16

Simplify $\frac{\left[\frac{3}{5} \text{ of } \left(15\frac{2}{3} - 33\frac{1}{3}\right) + \frac{1}{3} \left(18\frac{3}{4} \text{ of } 7\frac{1}{5} - 15 \times 2\right)\right] \times 5}{3^2 \times 5 + 1}$.

Ans

1. $-\frac{23}{54}$

2. $-\frac{1}{2}$

3. 83

4. $-\frac{23}{5}$

Question ID : 65497817795

Chosen Option : 2

Q.17 There are 100 students in a class, out of which 70% are girls and others are boys. The average score of girls in a test is 20% more than that of boys. If the average score of all the students is 57, then what is the average score of girls?

Ans

1. 60

2. 50

3. 45

4. 75

Question ID : 65497817072

Chosen Option : 1

Q.18 Two trains of the same length are running on parallel tracks in the same direction at 44 km/h and 32 km/h. The faster train passes the other train in 72 seconds. What is the sum of the lengths (in m) of both trains?

Ans

1. 240

2. 200

3. 190

4. 250

Question ID : 65497817070

Chosen Option : 1

Q.19 Two circles of radii 14 cm and 10 cm intersect each other, and the length of their common chord is 16 cm. What is the distance (in cm) between their centres?

Ans

1. $6 + 4\sqrt{33}$

2. $6 + 2\sqrt{33}$

3. $6 + 5\sqrt{33}$

4. $6 + 3\sqrt{33}$

Question ID : 65497817084

Chosen Option : --



Q.20 The average monthly expenditure of a family was ₹10,000 during the first three months, ₹12,500 during the next four months, and ₹13,500 during the last five months of a year. If the total savings during the year was ₹32,500, then 70% of the average monthly income of the family (in ₹) was:

- Ans**
- 1. 11,250
 - 2. 12,250
 - 3. 15,000
 - 4. 10,500

Question ID : 65497817071
Chosen Option : 4

Q.21 In an examination, the ratio of the number of candidates who passed, to those who failed was 5 : 2. If the number of failed candidates had been 14 more, then the ratio of the number of passed candidates to those who failed would have been 4 : 3. How many candidates passed the examination?

- Ans**
- 1. 126
 - 2. 70
 - 3. 100
 - 4. 98

Question ID : 65497817079
Chosen Option : 3

Q.22 Which is the largest number that will divide 1992 and 233 leaving remainders 12 and 13, respectively?

- Ans**
- 1. 242
 - 2. 220
 - 3. 246
 - 4. 186

Question ID : 65497817086
Chosen Option : 2

Q.23 If $x : y : z = 1 : 2 : 3$, then what is the value of $\left(\frac{3x^2 - 2y^2 + 4z^2}{x^2 + 2y^2 + z^2}\right)$?

- Ans**
- 1. $\frac{31}{21}$
 - 2. $\frac{31}{16}$
 - 3. $\frac{31}{18}$
 - 4. $\frac{31}{19}$

Question ID : 65497817077
Chosen Option : 3



Q.24 'A' sells an article to 'B' at 12% profit. 'B' sells it to 'C' at 9% loss. If 'C' pays ₹15,288 for it, then at what price (in ₹) is the article sold by A?

- Ans**
- 1. 15,000
 - 2. 16,800
 - 3. 16,000
 - 4. 14,250

Question ID : 65497817076
Chosen Option : 3

Q.25 When the price of sugar gets raised by 50%, a person increases his expenditure on sugar only by 25%. By what percentage (correct up to two decimal places) should he reduce his consumption of sugar?

- Ans**
- 1. 12.75%
 - 2. 15.75%
 - 3. 16.67%
 - 4. 11.54%

Question ID : 65497817074
Chosen Option : 3

