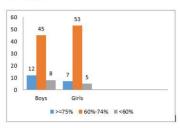
Q.1 P can work thrice as fast as Q. Working independently, Q can complete a task in 24 days. In how many days can P and Q together finish the same task?

Ans

- X 1. 4
- X 2. 5
- **X** 3.
- **4**. 6

Question ID : 8161611420 Status : Answered Chosen Option : 4

Q.2 The given bar chart shows the number of students in a class who have secured marks in three ranges: >=75%, 60%-74%



What is the ratio of percentages of boys and girls who got marks from 60% to 74%?

Ans

- X 1. 64.12 : 88.23
- X 2. 62.78 : 82.67
- **√** 3. 69.23 : 81.53
- X 4. 67.54 : 87.45

Question ID : **8161611444**Status : **Answered**Chosen Option : **3**

If $sin\theta - cos\theta = \frac{1}{29}$ find the value of $sin\theta + cos\theta$.

Ans

- \times 1. $\frac{22}{29}$
- × 2. $\frac{42}{29}$
- \times 3. $\frac{2}{29}$
- \checkmark 4. $\frac{41}{29}$

Question ID: 8161611439 Status: Answered Chosen Option: 4

Q.4 If a + b + c + d = 2, then the maximum value of (1 + a)(1 + b)(1 + c)(1 + d) is .

Ans

- \times 1. $\frac{91}{9}$
- \times 2. $\frac{63}{22}$
- \times 3. $\frac{54}{13}$
- **√** 4. $\frac{81}{16}$

Question ID: 8161611434 Status: Answered Chosen Option: 4

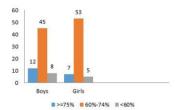
Q.5 The sum of the number of male and female students in an institute is 100. If the number of male students is x, then the number of female students becomes x% of the total number of students. Find the number of male students.

Ans

- X 1. 65
- **2**. 50
- X 3. 60
- X 4. 45

Question ID : **8161611425** Status : **Answered** Chosen Option : **2**

Q.6 The given bar chart shows the number of students in a class who have secured marks in three ranges: >=75%, 60%-74% and <60%.



From the given information, identify the per cent of boys who got distinction.

Ans

- X 1. 15.29%
- √ 2. 18.46%
- X 3. 16.78%
- X 4. 13.98%

Question ID : **8161611442** Status : **Answered**

Chosen Option : 2

Q.7 If the present amount is ₹87,750 with 8% rate of interest in four years, then what was the principal amount?

- X 1. ₹69,345.6
- × 2. ₹78,456.34
- X 3. ₹56,896.98
- √ 4. ₹66,477.2

Question ID: 8161611428 Status: Answered Chosen Option: 4

Q.8 If a positive integer n is divided by 7, the remainder is 2. Which of the numbers in the options yields a remainder of 0 when it is divided by 7?

Ans

- $\times 1 n + 3$
- $\sqrt{2} \cdot n + 5$
- \times 3. n+2
- \times 4. n+1

Question ID: 8161611436 Status: Answered Chosen Option: 2

Q.9 If the perimeter and length of a rectangle are in the ratio 6:1 and the area of the rectangle is 288 cm^2 . Find the length of

Ans

- ✓ 1. 12 cm
- X 2. 10 cm
- X 3. 8 cm
- X 4. 9 cm

Question ID: 8161611422 Status: Answered Chosen Option: 1

Q.10

- Ans X 1. 4
 - **2**. 6
 - X 3. 5
 - **X** 4. 3

Question ID: 8161611435 Status: Answered Chosen Option: 2

Q.11 A dozen pairs of gloves worth ₹600 are available at a discount of 10%. Find out how many pairs of gloves can be bought for ₹270.

Ans

X 1. Seven

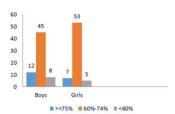
X 2. Four

√ 3. Six

X 4. Five

Question ID: 8161611424 Status: Answered Chosen Option: 3

Q.12 The given bar chart shows the number of students in a class who have secured marks in three ranges: >=75%, 60%-74% and <60%



Boys	12	45	8	
Girls	7	53	5	

What is the total number of girls and boys?

Ans

X 1. 120



X 3. 110

X 4. 140

Question ID: 8161611441 Status: Answered Chosen Option: 2

Find the value of $sin(60 + \theta) - cos(30 - \theta)$.

Ans

X 1. -1

X 2. 1

 \times 4. $\frac{1}{2}$

Question ID: 8161611438 Status: Answered Chosen Option: 3

Q.14 The incomes of two persons P and Q are in the ratio 5: 6. If each of them saves ₹200 per month, the ratio of their expenditures is 3:4. Find the income of Q.

- X 1. ₹800
- X 2. ₹750
- X 3. ₹740
- **√** 4. ₹600

Question ID: 8161611427 Status: Answered

Chosen Option: 4

Q.15 A person covers 700 m distance in 6 minutes. What is his speed in km/h?

- X 1. 3.45 km/h
- ✓ 2. 7 km/h
- X 3. 6 km/h
- X 4. 4.23 km/h

Question ID: 8161611421

Status: Answered

Chosen Option: 2

Q.16 Two circles touch each other externally. The distance between their centres is 8 cm. If the radius of one circle is 3 cm, then the radius of the other circle is:

Ans

- √ 1. 5 cm
- X 2. 4 cm
- X 3. 3 cm
- X 4. 6 cm

Question ID: 8161611429

Status: Answered

Chosen Option: 1

If $p + \left(\frac{1}{p}\right) = 2$ find the value of $p \times p \times p$

- Ans X 1. 8
 - X 2. 4
 - **3**. 1
 - X 4. 2

Question ID: 8161611433

Status: Answered

Chosen Option: 3

Downloaded From : http://sscportal.in/ Q.18 The average of four consecutive even numbers is 27. By adding which number does the average become 28? 1. 32 X 2. 30 X 3. 33 X 4. 29 Question ID: 8161611423 Status: Answered Chosen Option: 1 Q.19 The selling price of a book, including the sales tax, is ₹956.34. The rate of sales tax is 10%. If the shopkeeper has made a profit of 15%, then the cost price of the book is: Ans X 1. ₹836 X 2. ₹797.34 X 3. ₹845.98 √ 4. ₹756 Question ID: 8161611426 Status: Not Answered Chosen Option: --Q.20 The given bar chart shows the number of students in a class who have secured marks in three ranges: >=75%, 60%-74% and <60% 10 ■>=75% ■60%-74% ■<60% From the given information, identify how much per cent of girls got distinction. Ans X 1. 18.49% × 2. 14.28% X 3. 17.86% 4. 10.76% Question ID: 8161611443 Status: Answered Chosen Option: 4

Q.21 The wheel of a car has 210 cm diameter. How many revolutions per minute must the wheel make so that the speed of the car is kept at 120 km/h?

Ans

X 1. 245

× 2. 289

X 3. 326.42

4. 303.03

Question ID : **8161611430**Status : **Answered**Chosen Option : **4**

Q.22 Find the perimeter of a right angle triangle whose sides have sizes of 5 cm and 12 cm.

- X 1. 18 cm
- ✓ 2. 30 cm
- X 3. 17 cm
- X 4. 25 cm

Question ID: 8161611432 Status: Answered Chosen Option: 2

Q.23 The perimeter of an isosceles triangle is 125 cm. If the base is 33 cm, find the length of the equal sides.

Ans

- ✓ 1. 46 cm
- × 2. 34 cm
- X 3. 32 cm
- X 4. 42 cm

Question ID: 8161611431 Status: Answered Chosen Option: 1

Find x if $sin x = -\frac{1}{2}$.

- \times 1. $\frac{5\pi}{6}$
- \checkmark 2. $\frac{7\pi}{6}$
- \times 3. $\frac{\pi}{6}$
- \times 4. $\frac{13\pi}{6}$

Question ID: 8161611440 Status: Answered Chosen Option: 2

Q.25 Find x, if 30% of 400 + x % of 70 = 25% of 536.

- Ans X 1. 10
 - X 2. 40
 - X 3. 30
 - **4**. 20

Question ID: 8161611437 Status: Answered Chosen Option: 4