Name:	Contact No:	
Email ID:	Regd No:	

- 1. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
 - A. 3.6
 - B. 7.2 According to pirate
 - C. 8.4
 - D. 10.

Explanation:

Speed = 600/ 5 x 60 m/sec. = 2 m/sec. = 2 x 18/5km/hr =7.2 km/hr

- 2. Worker A takes 8 hours to do a job. Worker B takes 10 hours to do a job. How long should it take both A and B, working together to do the same job?
 - A. 4/9
 - B. 2 4/9
 - C. 3 4/9
 - D. 4 4/9

Explanation:

In this type of questions, first we need to calculate 1 hours work, then their collective work as A's 1-hour work is 1/8

B's 1-hour work is 1/10

(A+B)'s 1 hour work = 1/8 + 1/10 = 9/40

So both will finish the work in 40/9 hours=4 4/9

- 3. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?
 - A. 120 meters
 - B. 180 meters
 - C. 150 meters
 - D. 324 meters

Explanation:

Speed= 60 x5/18 m/sec= 50/3 m/sec.

Length of the train = (Speed x Time).

Length of the train = 50/3x 9m = 150 m.

- 4. A mixture contains alcohol and water in the ratio 4:3. If 5 liters of water is added to the mixture, the ratio becomes 4: 5. Find the quantity of alcohol in the given mixture.
 - A. 10
 - B. 12
 - C. 15
 - D. 18

Explanation:

Let the quantity of alcohol and water be 4x litres and 3x litres respectively

4x/(3x+5) = 4/5

20x = 4(3x+5)

8x = 20

x = 2.5

Quantity of alcohol = (4×2.5) litres = 10 litres.



- 5. In 100 m race, A covers the distance in 36 seconds and B in 45 seconds. In this race A beats B by:
 - A. 20m
 - B. 25m
 - C. 22.5m
 - D. 9m

Explanation:

Distance covered by B in 9 sec. = (100/45)*9m = 20m A beats B by 20 meters.

- 6. Pointing to a girl in the photograph, Ajay said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Ajay?
 - A. Mother
 - B. Sister
 - C. Aunt
 - D. Grandmother

Explanation:

Only son of Ajay's mother's father -- Ajay's maternal uncle. So, the girl's maternal uncle is Ajay's maternal uncle. Thus, the girl's mother is Ajay's aunt.

- 7. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?
 - A. Grandfather
 - B. Grandmother
 - · C. Daughter
 - D. Granddaughter

Explanation:

A is the sister of B and B is the daughter of C. So, A is the daughter of C. Also, D is the father of C. So, A is the granddaughter of D.

- 8. While calculating the weight of a group of men, the weight of 63 kg of one of the member was mistakenly written as 83 kg. Due to this the average of the weights increased by half kg. What is the number of men in the group?
- A. 25
- B. 20
- C. 40
- D. 60

Answer - C. 40

Explanation:

Increase in marks lead to an increase in average by 1/2

So (83-63) = x/2

x = 40

Therefore, the number of men in the group are 40

9. A Boat takes 128 min less to travel to 48 Km downstream than to travel the same distance upstream. If the speed of the stream is 3 Km/hr. Then Speed of Boat in still water is?

A. 12 Km/hr

B. 15 Km/hr



-	6	Vm/h
C.	O	Km/hr

D. 9 Km/hr

Answer - A. 12 Km/hr

Explanation:

32/15 = 48(1/s-3 - 1/s+3)

s = 12

Therefore, Speed of Boat in still water is 12 Km/hr.

10. Shas married 8 year ago. Today her age is 9/7 times to that time of marriage. At present his son's age is 1/6th of her age. What was her son's age 3 year ago?

- A. 4 yr
- B. 2 yr
- C. 3 yr
- D. 5 yr

Answer - B. 2 yr

Explanation:

Let us assume that Sravan's age 8 year ago = x

Present age = x + 8

x + 8 = 9/7 x

7(x + 8) = 9x

x = 28; 28 + 8 = 36

Son's age = 1/6 * 36 = 6

Son's age 4 year ago = 6-4=2

Direction (Q. 11 - 15): Choose the Synonyms of the following words

11. Receptacle

- A. Recrudesce
- B. Decline
- C. Definiteness
- D. Container

Answer - D. Container

Explanation: Receptacle – a hollow object used to contain something.

12. Cupidity

- A. Discount
- B. Oblivious
- C. Greed
- D. Commend

Answer - C. Greed

Explanation: Cupidity – greed for money or possessions.

13. Pallid

- A. Overpass
- B. Disdain
- C. Revulsion
- D. Pale

Answer - D. Pale

Explanation: Pallid – (of a person's face) pale, typically because of poor health



14. Irrepressible

A. Irresistible	
B. Languid	
C. Dictate	
D. Acclaim	
Answer – A. Irresistible	
Explanation: Irresistible – too attractive and tempting to be resisted.	
15. Infringe	
A. Encroach	
B. Timid	
C. Concur	
D. Expel	
Answer – A. Encroach	
Explanation: Encroach – intrude on (a person's territory, rights, personal life, etc.).	
16. Identify the error sentence	
A. the stars, let me see what spring is	
B. like, on Jupiter and Mars" sang	
C. Fly me to the moon, let me play between	
D. No error.	
Answer – C. Fly me to the moon, let me play between	
Explanation: The correct sentence is, Fly me to the moon, let me play among	
17. Identify the error sentence	
A. probability-oriented environment of roll	
B. The interaction with the game is still very	
C. tactile thanks to the board set-up and the	
D. No error.	
Answer – A. probability-oriented environment of roll	
Explanation: Correct sentence is, the probability-oriented environment of rolling	
Direction (Q. $11 - 14$): Fill in the Blanks. Choose the correct word which makes the sentence meaningf	ul
18. Until a few years ago, the toss-up for the city's commuters was between overcrowded city buses and, sometimes-greedy autorickshaw drivers.	
A. stunning	
B. usual	
C. eccentric	
D. horrible	
Answer – C. eccentric	
Explanation: eccentric – unusual	
19. The bench also struck down the 99th Constitution Amendment Act, which was passed	by
both Houses of Parliament.	
A. rimation	
B. publicly	



C. unanimously	
D. conjunctively	
Answer – C. unanimously	
Explanation: unanimously – with the agre	ement
20. Even after 10 years of the RTI, I find a	widespread lack of
A. ingratiating,	
B. inviting	
C. cognizance	
D. misunderstanding	
Answer – C. cognizance	
Explanation: cognizance – awareness	
Arrange the words given below in a meani	ngful sequence.
21.Presentation 2. Recommendation 3. Ar	rival 4. Discussion 5. Introduction
A) 5, 3, 4, 1, 2	B) 3, 5, 4, 2, 1
C) 3, 5, 1, 4, 2	D) 5, 3, 1, 2, 4
Answer: C) 3, 5, 1, 4, 2	
Explanation:	
The correct order is:	
Arrival Introduction Presentation Discu	ussian Recommendation
All Merodection Presentation Discu	ission recommendation
22. A and B invest in a business in the ratio Rs. 855, the total profit is:	3: 2. If 5% of the total profit goes to charity and A's share is
A) 500	в) 1000
A) 300	В) 1000
C) 1500	D) 2000
Answer: C) 1500	
Explanation:	
Let the total profit be Rs. 100.	
After paying to charity, A's share = $(95*3/5)$	5) = Rs 57
If A's share is Rs. 57, total profit = Rs. 100.	7 - 10. 57.
If A's share is Bs. SEE total profit = /100/E	7*955\ - 1500

23. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:



	A) 2500		B) 2700
	C) 2900	Γ	D) 3100
Answer: B)	2700		
Explanatio	n:		
Total numb	per of votes = 7500		
Given that	20% of Percentage votes were invali	d	
=> Valid vo	otes = 80%		
Total valid	votes = 7500*(80/100)		
1st candida	te got 55% of the total valid votes.		
Hence the 2	2nd candidate should have got 45% of	of th	e total valid votes
=> Valid vot	tes that 2nd candidate got = total va	lid vo	otes x (45/100)
7500*(80/1	00) *(45/100) = 2700		
24. Two numbers is:		moi	re than a third number. The ratio of the two
	A) 2:5		B) 3:5
1	C) 4:5		D) 5:4
Answer: C)	4:5		
Explanation			
25. In a cert that code la		tten	as RFUVQNPC. How will MEDICINE be written in
Γ	A) MFEDJJOE		B) EOJDEJFM
Е	C) MFEJDJOE		D) EOJDJEFM



Let the third number be x.	
Then, first number = 120% of x = $120x/100$	= 6x/5

Second number =150% of x = 150x/100 = 3x/2Ratio of first two numbers = 6x/5: 3x/2 = 12x: 15x = 4: 5

numbered 1 to 20 are mixed up and t et drawn has a number which is a m		m. What is the probability
A) 1/2	B) 3/5	

D) 8/15

Answer: C) 9/20

Explanation:

Here, $S = \{1, 2, 3, 4, ..., 19, 20\}.$

C) 9/20

Let E = event of getting a multiple of 3 or 5 = $\{3, 6, 9, 12, 15, 18, 5, 10, 20\}$. P(E) = n(E)/n(S) = 9/20.

27. 8 liters are drawn from a cask full of wine and is then filled with water. This operation is performed three more times. The ratio of the quantity of wine now left in cask to that of the water is 16: 65. How much wine the cask holds originally?



Answer: B) 24 liters

Explanation:

Let the quantity of the wine in the cask originally be x liters

Then, quantity of wine left in cask after 4 operations = [x(1-8x)4]x1-8x4 litres

28. A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is:

-		P
	A) No profit, no loss	B) 5%



C) 8%	D) 10%	
Answer: B) 5%		
Explanation: C.P. of 56 kg rice = Rs. (26 x 20 + 3 S.P. of 56 kg rice = Rs. (56 x 30) = Gain = (80/1600*100) % = 5%	30 x 36) = Rs. (520 + 1080) = Rs. 1600. Rs. 1680.	
29. Salaries of Ravi and Sumit are ratio becomes 40:57. What is Sun	in the ratio 2:3. If the salary of each is increased by Rs. 40 nit's salary?	00, the new
A) 38000	B) 46800	
C) 36700	D) 50000	
Answer: A) 38000		
Then, (2x+4000) / (3x+4000) = 40 / 57 $\Rightarrow 57 \times (2x + 4000) = 40 \times (3x+400)$ $\Rightarrow 6x = 68,000$ $\Rightarrow 3x = 34,000$	d Sumit be Rs. 2x and Rs. 3x respectively. 0) 0) = Rs. (34000 + 4000) = Rs. 38,000	
30. A bag contains 6 white, and 4 are of same color.	black balls .2 balls are drawn at random. Find the probabil	lity that they
A) 1/2	B) 7/15	
C) 8/15	D) 1/9	
Answer: B) 7/15		
Explanation: Let S be the sample space Then n(S) = no of ways of drawing Let E = event of getting both balls Then.n(E) = no of ways (2 balls out		

31. Which of the following fractions is greater than 3 /4 and less than 5 / 6?

4)=6C2+4C26C2+4C2 = 6*52*1+4*32*16*52*1+4*32*1= 15+6 = 21

Therefore, P(E) = n(E)/n(S) = 21/45 = 7/15



A) 3 / 5	B) 4/5
C) 7/5	D) 9 / 5
Answer: B) 4 / 5	
Explanation: 3 /4 = 0.75, 5/6 = 0.833, 1/2 = .5, 2/3 = 0.6 clearly 0.8 lies between 0.75 and .833. 4/5 lies between 3/4 and 5/6	6, 4/5 = 0.8, 9/10 = 0.9.
32. A man took loan from a bank at the rate 5400 interest only for the period. The prin	te of 12% p.a. simple interest. After 3 years he had to pay Rs cipal amount borrowed by him was:
A) Rs.2000	B) Rs.10000
C) Rs.15000	D) Rs.20000
Answer: C) Rs.15000	
Explanation: Principal = Rs(100×540012×3)=Rs. 15000	
Which situation below is the best example A. A debating club meets on the first Sunda B. After finding out about his salary raise, J	ay morning of every month. ay and a few colleagues go out for a quick dinner after work chelorette party she is giving for her elder sister.
34. CUP: LIP:: BIRD:? A. GRASS B. FOREST C. BEAK D. BUSH Answer: C. BEAK. You drink out of a cup with	th your lips. Similarly, birds bite grass with their beaks.
35. Look at this series: 80, 10, 70, 15, 60, A. 20	. what number should come next?
B. 25	
C. 30 D. 50	
	dition and subtraction series. In the first pattern, 10 is



subtracted from each number to arrive at the next. In the second, 5 is added to each number to arrive at the next.