



18 : 26
min sec

Isabella gave birth to twins, when she was 28 years old. After m years, the sum of the ages of Isabella and her twin children was 53 years. What is the value of m ?

- Ops:
- A. ☐ 8
 - B. ☐ 10
 - C. ☐ 7
 - D. ☐ 9

40. Find the number of terms in the series $1/128, 1/64, 1/32, _____, 256$.

- Ops:
- A. ☐ 14
 - B. ☐ 15
 - C. ☒ 16
 - D. ☐ 17

SECTION 02/03
Previous Section

SECTION 03/03
Next Section

Submit



18 : 31
min sec

Ops: A. ☐ 12

B. ☐ 9

C. ☐ 10

D. ☐ 11

39. Isabella gave birth to twins, when she was 23 years old. After m years, the sum of the ages of Isabella and her twin children was 53 years. What is the value of m ?

Ops: A. ☐ 8

B. ☒ 10

C. ☐ 7

D. ☐ 9

40. Find the number of terms in the series $1/128, 1/64, 1/32, \dots, 256$.

Ops: A. ☐ 14

B. ☐ 15

C. ☐ 16



D. ☐ 1/17576

38. Isabella gave birth to twins when she was 23 years old. After m years, the sum of the ages of Isabella and her twin children was 59 years. What is the value of m ?

Ops: A. ☒ 12
B. ☐ 9
C. ☐ 10
D. ☐ 11

39. Isabella gave birth to twins, when she was 23 years old. After m years, the sum of the ages of Isabella and her twin children was 53 years. What is the value of m ?

Ops: A. ☐ 8
B. ☐ 10
C. ☐ 7
D. ☐ 9

**AON****18 : 40**

min

sec

- B. ☐ 1/5525
- C. ☐ 153/338
- D. ☐ 153/5525

37. Carl has a standard deck of 52 cards. He pulls out three cards from the deck back to back. What is the probability that first two are king and the last card is a queen.

- Ops: A. ☐ 1/5525
- B. ☐ 3/17576
- C. ☒ 2/5525
- D. ☐ 1/17576

38. Isabella gave birth to twins when she was 23 years old. After m years, the sum of the ages of Isabella and her twin children was 59 years. What is the value of m ?



18 : 26
min sec

39. Isabella gave birth to twins, when she was 20 years old. After m years, the sum of the ages of Isabella and her twin children was 53 years. What is the value of m ?

- Ops:
- A. ☐ 8
 - B. ☐ 10
 - C. ☐ 7
 - D. ☐ 9

40. Find the number of terms in the series $1/128, 1/64, 1/32, \dots, 256$.

- Ops:
- A. ☐ 14
 - B. ☐ 15
 - C. ☐ 16
 - D. ☐ 17

[SECTION 02/03
Previous Section](#)[SECTION 03/03
Next Section](#)[Submit](#)

18 : 31
min secOps: A. ☐ 12B. ☐ 9C. ☐ 10D. ☐ 11

39. Isabella gave birth to twins, when she was 23 years old. After m years, the sum of the ages of Isabella and her twin children was 53 years. What is the value of m ?

Ops: A. ☐ 8B. ☐ 10C. ☐ 7D. ☐ 9

40. Find the number of terms in the series $1/128, 1/64, 1/32, \dots, 256$.

Ops: A. ☐ 14B. ☐ 15C. ☐ 16

18 : 36
min secD. ☐ 1/17576

38. Isabella gave birth to twins when she was 23 years old. After m years, the sum of the ages of Isabella and her twin children was 59 years. What is the value of m ?

Ops: A. ☐ 12
B. ☐ 9
C. ☐ 10
D. ☐ 11

39. Isabella gave birth to twins, when she was 23 years old. After m years, the sum of the ages of Isabella and her twin children was 53 years. What is the value of m ?

Ops: A. ☐ 8
B. ☐ 10
C. ☐ 7
D. ☐ 9

**AON****18 : 40**

min

sec

- B. ☐ 1/5525
- C. ☐ 153/338
- D. ☐ 153/5525

37. Carl has a standard deck of 52 cards. He pulls out three cards from the deck back to back. What is the probability that first two are king and the last card is a queen.

- Ops: A. ☐ 1/5525
- B. ☐ 3/17576
- C. ☐ 2/5525
- D. ☐ 1/17576

38. Isabella gave birth to twins when she was 23 years old. After m years, the sum of the ages of Isabella and her twin children was 59 years. What is the value of m ?



**AON****18 : 44**
min secB. ☐ 1/17576C. ☐ 3/17576D. ☐ 1/5525

36. Carl has a standard deck of 52 cards. He pulls out three cards from the deck back to back. What is the probability that all three of them are jacks.

Ops: A. ☐ 3/17576B. ☐ 1/5525C. ☐ 153/338D. ☐ 153/5525

37. Carl has a standard deck of 52 cards. He pulls out three cards from the deck back to back. What is the probability that first two are king and the last card is a queen.



**AON****18 : 54**

min

sec

C. ☐ 52D. ☐ 3

35. Carl has a standard deck of 52 cards. He pulls out three cards from the deck back to back. What is the probability that first two are king and the last card is a jack.

Ops: A. ☐ 2/5525
B. ☐ 1/17576
C. ☐ 3/17576
D. ☐ 1/5525

36. Carl has a standard deck of 52 cards. He pulls out three cards from the deck back to back. What is the probability that all three of them are jacks.

Ops: A. ☐ 3/17576



18 : 57
min secB. ☐ 3C. ☐ 40D. ☐ 6

34. At a certain mall, the ratio of the number of security guards to the number of salespersons is 3:13. When 12 more salespersons are hired, the ratio of the number of securityguards to the number of salespersons changes to 3:16. What will be the difference between the number of salespersons and security guards?

Ops: A. ☒ 40B. ☐ 9C. ☒ 52D. ☐ 3

35. Carl has a standard deck of 52 cards. He pulls out three cards from the deck back to back. What is the probability that first two are king and the last card is a jack.

Ops: A. ☐ 2/5525B. ☐ 1/17576

**AON****19 : 02**

min

sec

C. ☐ -1/5D. ☐ 1/4

33. At a certain shopping complex, the ratio of the number of security guards to the number of salespersons is 2:12. When 15 more salespersons are hired, the ratio of the number of securityguards to the number of salespersons changes to 2:15. What will be the difference between the number of salespersons and security guards?

Ops: A. ☒ 50B. ☐ 3C. ☐ 40D. ☐ 6

34. At a certain mall, the ratio of the number of security guards to the number of salespersons is 3:13. When 12 more salespersons are hired, the



**AON****19 : 06**

min

sec

B. ☐ 17%C. ☐ 11%D. ☐ 15%

32. For what value(s) of "p" $(x + 1/4 \sqrt{x + p^2})$ is a perfect square?

Ops: A. ☐ $\pm 1/18$ B. ☒ $\pm 1/8$ C. ☐ $-1/5$ D. ☐ $1/4$

33. At a certain shopping complex, the ratio of the number of security guards to the number of salespersons is 2:12. When 15 more salespersons are hired, the ratio of the number of securityguards to the number of salespersons changes to 2:15. What will be the difference



19 : 10
min secB. ☐ 20%C. ☐ 15%D. ☐ 12%

31. What is the approximate percentage of the candidates who qualify out of total number of applying candidates for states Q and M together in 2001?

Ops: A. ☐ 19%B. ☐ 17%C. ☐ 11%D. ☐ 15%

32. For what value(s) of "p" $(x + 1/4 \sqrt{x + p^2})$ is a perfect square?

Ops: A. ☐ $\pm 1/18$ B. ☐ $\pm 1/8$ C. ☐ $-1/5$ D. ☐ $1/4$

**AON****19 : 14**

min

sec

Ops: A. ☐ 8890B. ☐ 8630C. ☐ 8590D. ☐ 8740

30. What is the approximate percentage of candidates who qualified from State P for all the years together, over the candidates who appeared from State P during all the years together?

Ops: A. ☐ 18%B. ☐ 20%C. ☐ 15%D. ☐ 12%

31. What is the approximate percentage of the



19 : 18
min secOps: A. ☐ 92%B. ☐ 90%C. ☐ 89%D. ☐ 95%

29. What is the average of candidates who appeared from State N during the given years?

Ops: A. ☐ 8890B. ☐ 8630C. ☐ 8590D. ☐ 8740

30. What is the approximate percentage of candidates who qualified from State P for all the years together, over the candidates who appeared from State P during all the years together?

Ops: A. ☐ 18%B. ☐ 20%C. ☐ 15%

D. ☐ 22

Consider the following table and answer the questions that follow.

Number of students appeared and qualified in a competitive examination from different states over the years.

Year →	1997		1998		1999		2000		2001	
States ↓	Applied	Qualified	Applied	Qualified	Applied	Qualified	Applied	Qualified	Applied	Qualified
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	950	9500	1240	8700	980	9700	1200	8950	995
R	7800	870	7600	940	9800	1350	7600	945	7990	885

28. The total number of candidates who qualified from all the states together in 1999 is approximately what percentage of the total number of candidates who qualified from all the states together in 1998?

- Ops: A. ☐ 92%
- B. ☐ 90%
- C. ☐ 89%
- D. ☐ 95%

29. What is the average of candidates who appeared from State N during the given years?

26. What will be the last three digits of the multiplication 345678×876543 ?

Ops: A. ☐ 154

B. ☐ 132

C. ☐ 164

D. ☐ 112

27. Find the highest power of 9 which divides $177!$.

Ops: A. ☐ 19

B. ☐ 20

C. ☐ 21

D. ☐ 22

Consider the following table and answer the questions that follow.

Number of students appeared and qualified in a competitive examination from different states over the years.

Year →	1997		1998		1999		2000		2001	
States ↓	Applied	Qualified	Applied	Qualified	Applied	Qualified	Applied	Qualified	Applied	Qualified
M	5200	720	8500	980	7400	850	6800	775	9500	1125
N	7500	840	9200	1050	8450	920	9200	980	8800	1020
P	6400	780	8800	1020	7800	890	8750	1010	9750	1250
Q	8100	850	9500	1100	8200	900	9700	1200	8950	995
R	7800	870	7600	940	9800	1350	7600	945	7990	885

19 : 34
min sec

work completed by them in 30 days from the start?

- Ops:
- A. ☐ 31/40
 - B. ☐ 31/60
 - C. ☐ 31/80
 - D. ☐ 31/120

26. What will be the last three digits of the multiplication 345678×876543 ?

- Ops:
- A. ☐ 154
 - B. ☐ 132
 - C. ☐ 164
 - D. ☐ 112

27. Find the highest power of 9 which divides $177!$.

- Ops:
- A. ☐ 19
 - B. ☐ 20
 - C. ☐ 21
 - D. ☐ 22

**AON****19 : 44**
min secC. ☐ 19/13 daysD. ☐ 23/7 days

25. Tom, Steve and Bruce divide a work amongst themselves in the ratio of 4 : 5 : 11. Their rates of work are in the ratio 2 : 3 : 5. It takes Tom 16 days to complete his part. What is the amount of work completed by them in 30 days from the start?

- Ops: A. ☐ 31/40
- B. ☐ 31/60
- C. ☐ 31/80
- D. ☐ 31/120

26. What will be the last three digits of the multiplication 345678×876543 ?

- Ops: A. ☐ 154



19 : 49
min secB. ☐ 0.80 million dollarsC. ☐ 0.65 million dollarsD. ☐ 0.85 million dollars

24. Mark, Ben and Tim can do a piece of work in 12, 24 and 36 days respectively. Mark starts the work and Ben joins him after one-third of the work is done, Tim joins them after half the work is done. For how many days does Tim work in order to complete it?

Ops: A. ☐ 21/11 daysB. ☐ 36/11 daysC. ☐ 19/13 daysD. ☐ 23/7 days

25. Tom, Steve and Bruce divide a work amongst themselves in the ratio of 4 : 5 : 11. Their rates of work are in the ratio 2 : 3 : 5. It takes Tom 16 days to complete his part. What is the amount of work completed by them in 30 days from the start?

Ops: A. ☐ 31/40

19 : 53
min sec

previous year the highest?

Ops: A. ☐ 2018

B. ☐ 2019

C. ☐ 2017

D. ☐ 2020

23. What is the average sales value of the company in the given years?

Ops: A. ☐ 0.75 million dollars

B. ☐ 0.80 million dollars

C. ☐ 0.65 million dollars

D. ☒ 0.85 million dollars

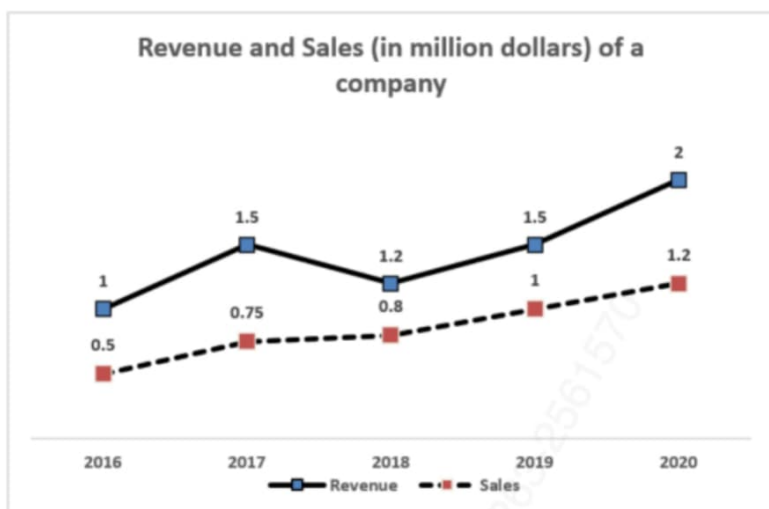
24. Mark, Ben and Tim can do a piece of work in 12, 24 and 36 days respectively. Mark starts the work and Ben joins him after one-third of the work is done, Tim joins them after half the work is done. For how many days does Tim work in order to complete it?

Ops: A. ☐ 21/11 days

B. ☐ 36/11 days

The following line graph represents the revenue (in million dollars) and sales value (in million dollars) of a company PQR Pvt Ltd in 2020.

Study the graph carefully and answer the questions that follow.



22. In which of the following years is the percentage increase or decrease in the revenue from the previous year the highest?

Ops: A. ☐ 2018

B. ☐ 2019

C. ☒ 2017

D. ☐ 2020

23. What is the ~~average sales value~~ of the company

**AON****20 : 13**
min sec**03. Quantitative Aptitude**

20 questions, 1 mark each

21. Read the information given below and answer the question that follows.

$$f(x) = x^3 - 3$$

$$g(x) = (1/x) - x$$

Find the value of $\text{fog}(-1) - \text{gof}(-1)$.

- Ops:
- A. ☐ 0
 - B. ☐ 5/4
 - C. ☐ -27/4
 - D. ☐ -15/4

The following line graph represents the revenue (in million dollars) and sales value (in million dollars) of a company PQR Pvt Ltd in 2020.

Study the graph carefully and answer the questions that follow.



31 : 09
min sec

20. The question given below is followed by two statements numbered I and II. Determine if the statements are, individually or together, sufficient to answer the question.

Question: What is the cost price of each truck?
(Assume that there were two trucks)

Statements:

I. One truck is sold at a loss of 35% and the other is sold for \$36 more than the first one.

II. The net loss in the transaction is 9%.

- Ops:
- A. ☐ Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.
 - B. ☐ Each statement alone is sufficient to answer the question.
 - C. ☐ Only one of the statements, alone, is sufficient to answer the question but other statement is not.
 - D. ☐ Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

19. The question given below is followed by two statements numbered I and II. Determine if the statements are, individually or together, sufficient to answer the question.

Question: Is the greatest integer value of $g > 8$?

Statements:

I. $g = \min(y^2 + 4, 2 - 3y)$

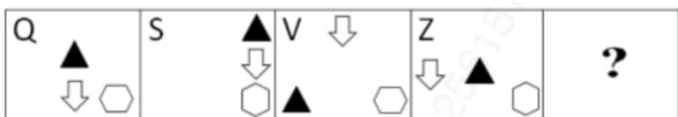
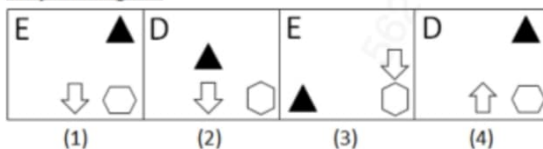
II. $y < -2$

- Ops:
- A. ☐ Both statements I and II together are sufficient to answer the question asked but neither statement alone is sufficient.
 - B. ☐ Only one of the statements, alone, is sufficient to answer the question but other statement is not.
 - C. ☐ Each statement alone is sufficient to answer the question.
 - D. ☐ Statements I and II together are not sufficient to answer the question asked and additional data to the problem is needed.

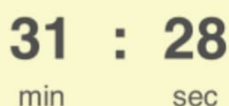
20. The question given below is followed by two statements numbered I and II. Determine if the

Ops: A. ☐ (1)B. ☐ (3)C. ☐ (4)D. ☐ (2)

18. From the **Response Figure** identify which should complete the sequence given in **Problem Figure**.

Problem Figure:Response Figure:Ops: A. ☐ (1)B. ☐ (4)C. ☐ (3)D. ☒ (2)

19. The question given below is followed by two statements numbered I and II. Determine if the statements are, individually or together,




17. From the **Response Figure** identify which should complete the sequence given in **Problem Figure**.

% U	+	●	% W	● +	Y %	A +	% ●	?
--------	---	---	--------	--------	--------	--------	--------	---

% C	% C	% B	D %
+	+	+	+
(1)	(2)	(3)	(4)

D. ☐ (2)

18. From the **Response Figure** identify which should complete the sequence given in **Problem Figure**.

Q	S	V	Z	?
  	  	  	  	  

D. ☐ XCWGIODOET

16. The statements given below are followed by some conclusions. Assume the statements are true, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statements logically.

Statements:

- I. Some tigers are lighters.
II. All lighters are outlet.

Conclusions:

- I. All tigers are outlet.
II. All lighters are tigers.

- Ops: A. ☐ Only conclusion I follows
- B. ☐ Both conclusion I and conclusion II follow
- C. ☐ Only conclusion II follows
- D. ☐ Neither conclusion I nor conclusion II follows

17. From the **Response Figure** identify which should complete the sequence given in **Problem Figure**.



14. What is the rank of Victor in height?

- Ops:
- A. ☐ 4
 - B. ☐ 2
 - C. ☐ 1
 - D. ☐ 3

15. If in a certain code language, "UNCANNIEST" is coded as "VPFEOPLITV", then how would "WATCHMAKER" be coded in the same code language?

- Ops:
- A. ☐ XCWGIODOFT
 - B. ☐ XCEGHIDOET
 - C. ☐ XDUGIOEMEY
 - D. ☐ XCWGIODOET

16. The statements given below are followed by some conclusions. Assume the statements are true, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statements logically.

32 : 26
min sec

(iv) Adam is the second tallest and Charles is the fourth heaviest.

(v) Sam is taller than at least two persons.

(vi) Tom is shorter than Sam, and Benjamin is heavier than Adam.

13. Who got the third rank in weight?

Ops: A. ☐ Benjamin

B. ☐ Victor

C. ☐ Sam

D. ☐ Charles

14. What is the rank of Victor in height?

Ops: A. ☐ 4

B. ☐ 2

C. ☐ 1

D. ☐ 3

15. If in a certain code language, "UNCANNIEST" is coded as "VPFEOPLITV", then how would "WATCHMAKER" be coded in the same code language? _____

**AON****32 : 42**

min

sec

Six persons - Adam, Sam, Benjamin, Charles, Tom and Victor are of different heights and weights. They are given ranks according to the descending order of their heights and weights such that the heaviest person is the first ranker and lightest person is the sixth ranker in weight category, and the tallest person is the first ranker and the shortest person is the sixth ranker in the height category.

- (i) The rank of Benjamin in each of the categories is the same as the rank of Tom in the other category.
- (ii) Victor is heavier as well as taller than both Sam and Charles.
- (iii) No person got the same rank in both the categories.
- (iv) Adam is the second tallest and Charles is the fourth heaviest.
- (v) Sam is taller than at least two persons.
- (vi) Tom is shorter than Sam, and Benjamin is heavier than Adam.

13. Who got the third rank in weight?

- Ops:**
- A. ☐ Benjamin
 - B. ☐ Victor
 - C. ☐ Sam
 - D. ☐ Charles

**AON****33 : 05**

min

sec

Ops. A. ☐ Both conclusion I and conclusion II follow

B. ☐ Only conclusion I follows

C. ☐ Neither conclusion I nor conclusion II follows

D. ☐ Only conclusion II follows

12. If in a certain code language, "FROZEN" is coded as "ETPBDP", then how would "NATIVE" be coded in the same code language?

Ops: A. ☐ MDUJVH

B. ☐ MDVKUG

C. ☐ MCKUG

D. ☐ MDUKVG

Read the information given below and answer the questions that follow.

Six persons - Adam, Sam, Benjamin, Charles, Tom and Victor are of different heights and weights. They are given ranks according to the descending order of their heights and weights such that the heaviest person is the first ranker and lightest person is the sixth ranker in weight category, and the tallest person

35 : 21
min sec

02. Analytical Reasoning

10 questions, 1 mark each

11. The statements given below are followed by some conclusions. Assume the statements are true, even if they contradict commonly known facts, and determine the conclusion/s that follow/s from the statements logically.

Statements:

- I. Some dogs are trucks.
- II. No truck is car.
- III. All cars are phones.
- IV. Some phones are ties.

Conclusions:

- I. Some cars are ties.
- II. No truck is phone.

- Ops:
- A. ☐ Both conclusion I and conclusion II follow
 - B. ☐ Only conclusion I follows
 - C. ☐ Neither conclusion I nor conclusion II follows



gyomei_himejima Yesterday at 9:44 PM



React



React

12. If in a certain code language, "FROZEN" is