L16 : Blood Relation and Calendars

1-Tut : Male Female Problem-1

Send Feedback

Direction for next 4 questions

Answer the questions on the basis of the information given below:

There are six persons in a room namely- A, B, C, D, E and F.A and E are brothers, B and D are daughters of the brother of C's father. F is the sister of E, C is the only son of A's uncle.

How many male persons are there?

Options

This problem has only one correct answer

5
3
1
0

Correct Answer : B

2-Tut : Male Female Problem -2

Send Feedback

Answer the questions on the basis of the information given below:

There are six persons in a room namely: A, B, C, D, E and F.

A and E are brothers.

B and D are daughters of the brother of C's father.

F is the sister of E.

C is the only son of A's uncle.

How is C related to F?

Options

This problem has only one correct answer

Uncle
Cousin
Aunt
None Of These

Correct Answer : B

3-Tut : Male Female Problem-3

Send Feedback

Answer the questions based on the information given below:

There are six persons in a room: A, B, C, D, E and F.

A and E are brothers.

B and D are daughters of the brother of C's father.

F is the sister of E.

C is the only son of A's uncle.

How many females are there?

Options

This problem has only one correct answer

0
1
2
3

Correct Answer : D

4-Tut : Male Female Problem-4

Send Feedback

Answer the questions on the basis of the information given below:

There are six persons in a room namely: A, B, C, D, E and F.

A and E are brothers.

B and D are daughters of the brother of C's father.

F is the sister of E.

C is the only son of A's uncle.

What is the relationship between A and D?

Options

This problem has only one correct answer

Uncle
Father
Cousin
Mother

Correct Answer : C

5-Tut : Family Problem-1

Send Feedback

Direction for next six questions:

A, B, C, D, E and F are six members of a family. C is not the mother of B but B is son of C. A and C are married couple. E is the brother of C. F is the brother of B. D is the daughter of A.

E is D's _?

Options

This problem has only one correct answer

Uncle
Mother
Father
Brother

Correct Answer : A

6-Tut : Family Problem-2

Send Feedback

A, B, C, D, E and F are six members of a family. C is not the mother of B but B is son of C. A and C are married couple. E is the brother of C. F is the brother of B. D is the daughter of A.

Which of the following is a pair of females?

Options

This problem has only one correct answer

AD
BD
CA
BA

Correct Answer : A

7-Tut : Family Problem-3

Send Feedback

A, B, C, D, E and F are six members of a family. C is not the mother of B but B is son of C. A and C are married couple. E is the brother of C. F is the brother of B. D is the daughter of A.

E's wife is _?

Options

This problem has only one correct answer

A
C
F
Can't be determined

Correct Answer : D

8-Tut : Family Problem-4

Send Feedback

A, B, C, D, E and F are six members of a family. C is not the mother of B but B is son of C. A and C are married couple. E is the brother of C. F is the brother of B. D is the daughter of A.

How many Kids does A have?

Options

This problem has only one correct answer

0
1
2
3

Correct Answer : D

9-Tut : Family Problem-5

Send Feedback

A, B, C, D, E and F are six members of a family. C is not the mother of B but B is son of C. A and C are married couple. E is the brother of C. F is the brother of B. D is the daughter of A.

How many female members are in the family?

Options

This problem has only one correct answer

0
1
2
3

Correct Answer : C

10-Tut : Family Problem-6

Send Feedback

A, B, C, D, E and F are six members of a family. C is not the mother of B but B is son of C. A and C are married couple. E is the brother of C. F is the brother of B. D is the daughter of A.

B's mother is _?

Options

This problem has only one correct answer

A
E
F
D

Correct Answer : A

11-Tut : Predict Day?

Send Feedback

July 1, 1777 was Monday. What day of the week was it on July 1, 1778?

Options

This problem has only one correct answer

Monday
Tuesday

Wednesday
Sunday

Correct Answer : B

Solution Description

Since 1777 was not a leap year, it had 365 days.
365 days = 52 weeks + 1 day.

1777 has 1 odd day. So July 1, 1778 was one day ahead of the day on July 1, 1777. Hence, it was Tuesday on July 1, 1778.

12-Tut : Which day?

Send Feedback

January 1, 2000 was Sunday. What day of the week was it on January 1, 2001?

Options

This problem has only one correct answer

Monday
Tuesday
Saturday
Sunday

Correct Answer : B

Solution Description

2000 is a leap year hence it has two odd days. Hence, it was Tuesday on January 1, 2001.

13-Tut : Predict Day Of Week?

Send Feedback

The first day of the year 2003 was Wednesday. What would have been the last day of the year 2005?

Options

This problem has only one correct answer

Thursday
Sunday
Tuesday
Saturday

Correct Answer : D

Solution Description

Here, 1st January 2003 = Wednesday ⇒ 1st January 2004 = Thursday But, 2004 is a leap year, it has one extra day. ⇒ 1st January 2005 = Saturday ⇒ 1st January 2006 = Sunday So, 31st December 2005 = Saturday Hence, the last day of the year 2005 is Saturday.

14-Tut : Day Of June?

Send Feedback

5th June, 2015 was Monday. What was the day of the week on 6th June, 2014?

Options

This problem has only one correct answer

Sunday
Saturday
Tuesday
Monday

Correct Answer : D

Solution Description

As 2015 was not a leap year, so day on 5th June 2015= Day on 5th June 2014 + 1

Hence, Day on 5th June 2014 was Sunday.

Therefore, Day on 6th June 2014 = Day on 5th June 2014 + 1 = Monday.

15-Tut : 15 August Day

Send Feedback

What was the day on 15 August 1948?

Options

This problem has only one correct answer

Friday
Saturday
Sunday
Monday

Correct Answer : C

Solution Description

Calculating the number of Odd Days in 1947, i.e, 1600 + 300 + 47 years:-

Odd days in 1600 years = 0
Odd days in 300 years = 1
47 years = (36 ordinary years + 11 leap years) = (36 x 1 + 11x 2)= 58 odd days or simply 2 odd days (8 weeks + 2 days)
In 1948, the number of days till 15 August:-

Jan. Feb. Mar. Apr. May. Jun. Jul. Aug

(31 + 29 + 31 + 30 + 31 + 30 + 31 + 15) = 228 days = (32 weeks + 4 days) = 4 odd days.

Total number of odd days = (0 + 1 + 2 + 4) = 7 odd days.

Hence, as the number of odd days = 7, the given day is Sunday.

16-Tut : Predict Dates?

Send Feedback

On what dates of January, 2015 did Sunday fall?

Options

This problem has only one correct answer

3rd, 10th, 17th, 24th, 31st
5th, 12th, 19th, 26th
1st, 8th, 15th, 22nd, 29th
4th, 11th, 18th, 25th

Correct Answer : D

Solution Description

2014: 2000 years+ 11 ordinary years+ 3 leap years= 11 odd days+ 6 odd days= 17 odd days or 3 odd days.
1st January 2015: 3+ 1= 4 odd days.

Hence, it was Thursday on 1st January 2015. Therefore Sunday fell on 4th, 11th, 18th, 25th January.

17-Tut : Day Of Week again?

Send Feedback

What was the day of the week on 25th June, 2016?

Options

This problem has only one correct answer

Thursday
Monday
Saturday
Sunday

Correct Answer : C

Solution Description

2015= 2000 years+ 3 leap years+ 12 ordinary years= 3×2+12=18 odd days or 4 odd days.
1 January to 25 June= 31+ 29+ 31+ 30+ 31+ 25 or 3+ 1+ 3+ 2+ 3+ 4= 16 odd days or 2 odd days.
Therefore total number of odd days= 4 + 2= 6 odd days.

Hence it was Saturday on 25th June 2016.

18-Tut : After few days?

Send Feedback

Today is Monday. After 76 days, it will be

Options

This problem has only one correct answer

Saturday
Sunday
Monday
Tuesday

Correct Answer : B

Solution Description

76= 7×10+6 days. Hence, if today is Monday then after 76 days it will be Monday+ 6= Sunday

19-Tut : Leap Year

Send Feedback

Which of the following is not a leap year?

Options

This problem has only one correct answer

1782
1888
1616
2004

Correct Answer : A

Solution Description

As 1782 is not divisible by 4 hence it is not a leap year.

20-Tut : Maximum Days

Send Feedback

Maximum number of days in 10 consecutive years is:

Options

This problem has only one correct answer

3650
3652
3654
3653

Correct Answer : D

Solution Description

10 consecutive years have maximum days if these years consists maximum possible number of leap year. In 10 consecutive years maximum number of leap years = 3 (1st, 5th, 9th or 2nd, 6th& 10th).

Maximum possible number of days in 10 years= 3×366+7×365=3653 days.