

1. In a race, Ava finished before Ben. Ben finished before Cora. Cora finished before Dylan. Who finished first?
Answer: Ava
2. In a race, Mia finished before Noah. Noah finished before Owen. Owen finished before Priya. Who finished first?
Answer: Mia
3. In a race, Liam finished before Zoe. Zoe finished before Hugo. Hugo finished before Nina. Who finished first?
Answer: Liam
4. In a race, Eli finished before Sara. Sara finished before Jade. Jade finished before Marco. Who finished first?
Answer: Eli
5. In a race, Iris finished before Theo. Theo finished before Lena. Lena finished before Kai. Who finished first?
Answer: Iris
6. In a race, Ravi finished before Emma. Emma finished before Cole. Cole finished before Tara. Who finished first?
Answer: Ravi
7. In a race, Leo finished before Nora. Nora finished before Finn. Finn finished before Maya. Who finished first?
Answer: Leo
8. In a race, Aiden finished before Ruby. Ruby finished before Sam. Sam finished before Clara. Who finished first?
Answer: Aiden
9. In a race, Omar finished before Lily. Lily finished before Evan. Evan finished before Tess. Who finished first?
Answer: Omar
10. In a race, Jon finished before Amy. Amy finished before Max. Max finished before Rhea. Who finished first?
Answer: Jon
11. Maya is Jon's sister. Jon is Leo's father. What is Maya to Leo?
Answer: Aunt

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- 12.** Lina is Omar's mother. Omar is Sam's brother. What is Lina to Sam?
Answer: Mother
- 13.** Noah is Ella's father. Ella is Max's sister. What is Noah to Max?
Answer: Father
- 14.** Sara is Kim's daughter. Kim is Ben's mother. What is Sara to Ben?
Answer: Sister
- 15.** Ari is Nina's brother. Nina is Zoe's mother. What is Ari to Zoe?
Answer: Uncle
- 16.** Jade is Mia's mother. Mia is Tom's mother. What is Jade to Tom?
Answer: Grandmother
- 17.** Paul is Ryan's father. Ryan is Eva's father. What is Paul to Eva?
Answer: Grandfather
- 18.** Tina is Owen's sister. Owen is Lily's brother. What is Tina to Lily?
Answer: Sister
- 19.** Marco is Ana's son. Ana is Rita's sister. What is Marco to Rita?
Answer: Nephew
- 20.** Rhea is Sam's daughter. Sam is Ivy's brother. What is Rhea to Ivy?
Answer: Niece
- 21.** In a group of 30 students, 18 play soccer, 12 play basketball, and 7 do both. How many do neither?
Answer: 7
- 22.** In a group of 25 people, 14 drink tea, 10 drink coffee, and 6 do both. How many do neither?
Answer: 7
- 23.** In a group of 40 students, 22 study French, 19 study Spanish, and 11 do both. How many do neither?
Answer: 10
- 24.** In a group of 28 children, 16 own a bike, 15 own a scooter, and 8 do both. How many do neither?
Answer: 5
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- 25.** In a group of 32 students, 20 like science, 17 like art, and 9 do both. How many do neither?

Answer: 4

- 26.** In a group of 35 workers, 21 use email, 18 use chat, and 10 do both. How many do neither?

Answer: 6

- 27.** In a group of 24 players, 13 play chess, 12 play cards, and 5 do both. How many do neither?

Answer: 4

- 28.** In a group of 50 students, 31 take math, 27 take science, and 18 do both. How many do neither?

Answer: 10

- 29.** In a group of 29 people, 17 read fiction, 14 read nonfiction, and 8 do both. How many do neither?

Answer: 6

- 30.** In a group of 36 students, 23 join music, 19 join sports, and 12 do both. How many do neither?

Answer: 6

- 31.** Ava says, 'Ben is lying.' Ben says, 'We are both telling the truth.' Exactly one statement is true. Who is telling the truth?

Answer: Ava

- 32.** Leo says, 'Mia has the key.' Mia says, 'Leo has the key.' Exactly one of them has the key and exactly one statement is true. Who has the key?

Answer: Mia

- 33.** Nora says, 'The prize is not in Box A.' Owen says, 'The prize is in Box A.' Exactly one statement is true. Can both statements be true?

Answer: No

- 34.** Ivy says, 'Kai finished first.' Kai says, 'Ivy finished first.' Only one of them finished first. If exactly one statement is true, who could have finished first?

Answer: Either one; the statements are exact opposites.

- 35.** Sara says, 'Tom is older than me.' Tom says, 'Sara and I are the same age.' Exactly one statement is true. If they are not the same age, who is older?

Answer: Tom

- 36.** Ravi says, 'The light is on.' Lena says, 'The light is off.' Exactly one statement is true. What can you conclude?

Answer: One statement must be true; the light is either on or off.

- 37.** Max says, 'Zoe took the red book.' Zoe says, 'I did not take the red book.' Exactly one statement is true. If Max is truthful, who took the red book?

Answer: Zoe

- 38.** Ella says, 'Finn is not in Room 2.' Finn says, 'I am in Room 2.' Exactly one statement is true. Are the statements opposites?

Answer: Yes

- 39.** Maya says, 'Omar arrived before me.' Omar says, 'Maya arrived before me.' They did not tie. Exactly one statement is true. Who arrived first?

Answer: It cannot be determined from that information alone.

- 40.** Ben says, 'Cora chose blue.' Cora says, 'I chose red.' She chose exactly one of red or blue. If exactly one statement is true, which color could Cora have chosen?

Answer: Either red or blue; one statement would be true in either case.

- 41.** What number comes next in this logical sequence: 2, 4, 8, 16, ?

Answer: 32

- 42.** What number comes next in this logical sequence: 1, 4, 9, 16, ?

Answer: 25

- 43.** What number comes next in this logical sequence: 3, 6, 12, 24, ?

Answer: 48

- 44.** What number comes next in this logical sequence: 10, 9, 7, 4, 0, ?

Answer: -5

- 45.** What number comes next in this logical sequence: 5, 10, 20, 40, ?

Answer: 80

46. What number comes next in this logical sequence: 2, 3, 5, 8, 12, ?

Answer: 17

47. What number comes next in this logical sequence: 100, 90, 72, 48, ?

Answer: 18

48. What number comes next in this logical sequence: 1, 2, 6, 24, ?

Answer: 120

49. What number comes next in this logical sequence: 7, 14, 28, 56, ?

Answer: 112

50. What number comes next in this logical sequence: 21, 18, 15, 12, ?

Answer: 9

