

Math Aptitude #3

1. Is it possible for Jane to stand behind Lee and Lee to stand behind Jane at the same time?
2. Leather shoes are worn in bowling and rubber-soled sneakers are worn in tennis. In what sport are all metal shoes worn?
3. Which would you rather have -- a trunk full of nickels or half a trunk full of dimes?
4. How many times can you subtract 2 from the number 21?
5. On a farm outside of Winchester is the world's most perfect peach tree. The main trunk has exactly 24 branches, each branch exactly 12 boughs, each bough exactly 6 twigs, and each twig bears 1 fruit. How many apples are on the tree?
6. How close a relative would the sister-in-law of your father's only brother be?
7. On an average day, what mode of transportation carries more passengers than any other?
8. Which book of the Bible tells you about Abel slaying Cain?
9. How do you pronounce VOL IX?
10. Standing on a hard floor, how can you drop an egg 3 feet without breaking it?
11. When someone says, "I'll break every bone in your body," how many bones would he have to break -- 50, 200, 500, or 1,000?
12. There are 14 punctuation marks in ENGLISH grammar. How many can you name? (9 is passing)
13. What 8 letter word has 7 consonants and 1 vowel?
14. What 5 letter word has 4 vowels and 1 consonant?
Hint: The British use this word for line.
15. Rearrange the following letters to form one English word:
P N L L E E E E S S S S
16. The amount of water in a tank doubles every minute. The tank is full in an hour. When was the tank half full?
17. Would it be cheaper for you to take 1 friend to the movies twice or to take 2 friends at the same time?
18. A young boy comes from school. He lives in a high-rise building. Some days, he gets off the elevator at the eighth floor and walks up four flights to his family's apartment on the 12th floor. On other days, he goes right up to the 12th floor. Why the difference?

19. A laborer can dig a hole 8 feet square and 8 feet deep in 8 days. How long will it take him to dig a hole 4 feet square and 4 feet deep?
20. How long did the 100 Years War last?

21. When is it legal in Virginia for a man to marry his own daughter?
22. Can you make $10 \text{ plus } 4 = 2$?

23. A clock loses 10 minutes each hour. If the clock is set correctly at noon, what time is it when it reads 3 PM?
24. If 8 crows can steal 8 buttons in 8 minutes, how long will it take 16 crows to steal 16 buttons?

25. If 8 crows can steal 8 buttons in 8 minutes, how many buttons can 16 crows steal in 16 minutes?
26. You have two coins totaling 30 cents, and one of them is not a quarter. What are the two coins?

27. The maker doesn't want it; the buyer doesn't use it; and the user doesn't see it. What is it?
28. A child is born in Boston, Mass., to parents who were both born in Boston, Mass. The child is not a U.S. citizen. How is this possible?

29. Before Mt. Everest was discovered, what was the highest mountain on earth?
30. Carrie Cotter was born on December 27, yet her birthday is always in the summer. How is this possible?

31. A woman from New York married ten different men from that city, yet she did not break any laws. None of these men died, and she never divorced. How was this possible?
32. An electrician and a plumber were waiting in line for admission to the International Home Show. One of them was the father of the other's son. How was this possible?