**Course: SAT ACT Prep**

**Subject: Mathematical Reasoning**

**Topic: Arithmetic**

**Subtopic: Solving with Substitution & Conceptually**

**Document: Quick Drill A Resource**

**Lesson Number: 2**

**Reference Number: 1001-7**

*https://youtube.com/c/MrMattTheTutor*

A picture containing sitting, sign, monitor, screen

Description automatically generated

1. If M and N are positive prime integers greater than 2 and Q is an even integer, which of the following statements is/are true?
2. is an odd integer
3. is an even integer
4. is an odd integer
   1. Statements I and II only
   2. Statements I and III only
   3. Statements II and III only
   4. Statements I, II, and III
5. If M and N are positive prime integers greater than 2 and Q is an even integer, which of the following statements is/are true?
6. is an even integer
7. is an even integer
8. is an even integer
   1. Statements I and II only
   2. Statements I and III only
   3. Statements II and III only
   4. Statements I, II, and III
9. If M and N are positive prime integers greater than 2 and Q is an even integer, which of the following statements is/are true?
10. is an odd integer
11. is an even integer
12. is an odd integer
    1. Statements I and II only
    2. Statements I and III only
    3. Statements II and III only
    4. Statements I, II, and III
13. If M and N are integers less than zero and Q is an integer greater than zero, which of the following statements is/are true?
14. is a positive integer
15. is a positive integer
16. is a positive integer
    1. Statements I and II only
    2. Statements I and III only
    3. Statements II and III only
    4. Statements I, II, and III
17. If M and N are integers less than zero and Q is an integer greater than zero, which of the following statements is/are true?
18. is a positive integer
19. is a positive integer
20. is a positive integer
    1. Statements I and II only
    2. Statements I and III only
    3. Statements II and III only
    4. Statements I, II, and III
21. If M and N are integers less than zero and Q is an integer greater than zero, which of the following statements is/are true?
22. is a negative integer
23. is a negative integer
24. is a negative integer
    1. Statements I and II only
    2. Statements I and III only
    3. Statements II and III only
    4. Statements I, II, and III