

Number Properties: Medium Practice Paper 2

Q1. What is the highest common factor (HCF) of 20 and 30?

- A. 2 B. 5 C. 10 D. 20 E. 60

Q2. What is the lowest common multiple (LCM) of 5 and 8?

- A. 13 B. 20 C. 40 D. 80 E. 200

Q3. How many factors does 36 have?

- A. 6 B. 7 C. 8 D. 9 E. 10

Q4. Which number in this list is a prime number?

- A. 77 B. 81 C. 83 D. 87 E. 91

Q5. What is 15 squared?

- A. 30 B. 150 C. 205 D. 225 E. 250

Q6. What is the square root of 144?

- A. 11 B. 12 C. 14 D. 72 E. 288

Q7. Which of these three-digit numbers is divisible by 9?

- A. 234 B. 245 C. 256 D. 267 E. 278

Q8. At 9:00 two trains leave a station together. One returns every 12 minutes and the other every 18 minutes. At what time do they next leave together?

- A. 9:24 B. 9:30 C. 9:36 D. 9:48 E. 10:00

Q9. A greengrocer has 60 apples and 45 oranges. He puts them into identical baskets using all the fruit. What is the greatest number of baskets he can make?

- A. 5 B. 9 C. 12 D. 15 E. 20

Q10. What is $-12 + 5 - 3$?

- A. -20 B. -10 C. -4 D. 4 E. 10

Q11. Which of these numbers is both a square number and a cube number?

- A. 16 B. 27 C. 36 D. 64 E. 81

Q12. What do you get when you multiply the first three prime numbers together?

- A. 24 B. 30 C. 36 D. 42 E. 105

Q13. A number between 30 and 40 is odd and is a multiple of 11. What is the number?

- A. 31 B. 33 C. 35 D. 37 E. 39

Q14. What is the smallest number that is divisible by 2, 3 and 5?

- A. 10 B. 15 C. 30 D. 45 E. 60

Q15. Which of these numbers has an odd number of factors?

- A. 12 B. 20 C. 30 D. 49 E. 50