

Number Properties: Medium Practice Paper 5

Q1. What is the highest common factor (HCF) of 30 and 42?

- A. 2 B. 3 C. 6 D. 12 E. 210

Q2. What is the lowest common multiple (LCM) of 9 and 15?

- A. 3 B. 30 C. 45 D. 90 E. 135

Q3. How many factors does 48 have?

- A. 8 B. 9 C. 10 D. 11 E. 12

Q4. How many prime numbers are there between 1 and 20?

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

Q5. What is 11 squared?

- A. 22 B. 111 C. 121 D. 132 E. 1111

Q6. What is the square root of 400?

- A. 16 B. 20 C. 40 D. 80 E. 200

Q7. Which of these numbers is divisible by both 4 and 9?

- A. 108 B. 114 C. 126 D. 132 E. 148

Q8. Two bells ring together at 12 noon. One rings every 15 minutes and the other every 20 minutes. At what time do they next ring together?

- A. 12:35 pm B. 12:45 pm C. 1:00 pm D. 1:30 pm E. 5:00 pm

Q9. A shop has 84 sweets and 63 chocolates to put into identical party bags, using all of them. What is the greatest number of bags possible?

- A. 3 B. 7 C. 12 D. 21 E. 28

Q10. What is $-9 + 4 - 2$?

- A. -15 B. -11 C. -7 D. 3 E. 7

Q11. Which of these is NOT a square number?

- A. 49 B. 64 C. 81 D. 90 E. 100

Q12. What is 10 cubed?

- A. 30 B. 100 C. 300 D. 1,000 E. 10,000

Q13. How many numbers from 1 to 50 are multiples of 7?

- A. 5 B. 6 C. 7 D. 8 E. 9

Q14. Which of these numbers is a factor of 60 and also a multiple of 4?

- A. 8 B. 12 C. 16 D. 24 E. 30

Q15. A square patio is made from 121 square tiles. How many tiles are there along each side?

- A. 10 B. 11 C. 12 D. 20 E. 60.5