Number Properties: Medium Practice Paper 1

Q1. What is the highest common factor (HCF) of 12 and 18?

A. 2 B. 3 C. 6 D. 12 E. 36

Q2. What is the lowest common multiple (LCM) of 4 and 6?

A. 2 B. 10 C. 12 D. 24 E. 48

Q3. How many factors does 24 have?

A. 6 B. 7 C. 8 D. 9 E. 12

Q4. Only one of these numbers is prime. Which one is it?

A. 51 B. 57 C. 61 D. 63 E. 69

Q5. What is 12 squared?

A. 24 B. 121 C. 132 D. 144 E. 156

Q6. What is the square root of 121?

A. 10 B. 11 C. 12 D. 60.5 E. 242

Q7. Which of these numbers is divisible by 6?

A. 122 B. 134 C. 138 D. 142 E. 146

Q8. Two lighthouses flash together at midnight. One flashes every 6 seconds and the other every 8 seconds. After how many seconds will they next flash together?

A. 12 B. 14 C. 24 D. 48 E. 96

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Q9. A teacher has 48 pencils and 36 rubbers. She makes identical packs using all of them. What is the greatest number of packs she can make?

A. 6 B. 8 C. 12 D. 16 E. 24

Q10. What is −8 + 15?

A. −23 B. −7 C. 7 D. 23 E. 120

Q11. What is the sum of the first five prime numbers?

A. 18 B. 26 C. 28 D. 30 E. 39

Q12. What is 4 cubed?

A. 12 B. 16 C. 48 D. 64 E. 81

Q13. Tiles are laid to make a perfect square with no tiles left over. Which of these numbers of tiles is possible?

A. 50 B. 60 C. 70 D. 80 E. 100

Q14. Which of these numbers is a common multiple of 6 and 9?

A. 24 B. 27 C. 45 D. 54 E. 63

Q15. Which of these numbers is a multiple of 12?

A. 32 B. 42 C. 54 D. 60 E. 68

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