

Number Properties: Medium Practice Paper 3

Q1. What is the highest common factor (HCF) of 16 and 24?

- A. 2 B. 4 C. 8 D. 16 E. 48

Q2. What is the lowest common multiple (LCM) of 6 and 10?

- A. 2 B. 16 C. 30 D. 60 E. 90

Q3. How many factors does 40 have?

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

Q4. How many prime numbers are there between 10 and 20?

- A. 2 B. 3 C. 4 D. 5 E. 6

Q5. What is 13 squared?

- A. 26 B. 139 C. 169 D. 196 E. 209

Q6. What is the square root of 196?

- A. 12 B. 13 C. 14 D. 16 E. 98

Q7. Which of these numbers is divisible by 8?

- A. 132 B. 148 C. 156 D. 168 E. 174

Q8. Two runners start together on a track. One completes a lap every 4 minutes and the other every 5 minutes. After how many minutes will they next be at the start line together?

- A. 9 B. 10 C. 20 D. 40 E. 45

Q9. Two ribbons are 24 cm and 36 cm long. They are cut into equal pieces that are as long as possible, with none wasted. How long is each piece?

- A. 4 cm B. 6 cm C. 8 cm D. 12 cm E. 18 cm

Q10. The temperature rises from -7°C to 4°C . By how many degrees has it risen?

- A. 3 B. 4 C. 7 D. 11 E. 28

Q11. Which of these numbers is a multiple of both 7 and 4?

- A. 42 B. 48 C. 54 D. 56 E. 63

Q12. What is 6 cubed?

- A. 18 B. 36 C. 126 D. 216 E. 666

Q13. Cards numbered 1 to 30 are laid out. How many of them show a multiple of 5?

- A. 4 B. 5 C. 6 D. 7 E. 10

Q14. What is the sum of all the factors of 12?

- A. 16 B. 22 C. 26 D. 28 E. 32

Q15. Which of these numbers is a common factor of 42 and 56?

- A. 3 B. 4 C. 6 D. 8 E. 14