# Number Properties: Medium Practice Paper 7

Q1. Which of these numbers is NOT a multiple of 4?

*A.* 118 *B.* 132 *C.* 156 *D.* 208 *E.* 244

Q2. How many factors does 45 have?

*A.* 4 *B.* 5 *C.* 6 *D.* 8 *E.* 9

Q3. The table shows how many factors each number has. Which of the numbers is prime?

| Number | How many factors |
|---|---|
| 39 | 4 |
| 41 | 2 |
| 45 | 6 |
| 49 | 3 |

*A.* 39

*B.* 41

*C.* 45

*D.* 49

*E.* None of them

Q4. What is the lowest common multiple (LCM) of 8 and 14?

*A.* 28 *B.* 42 *C.* 56 *D.* 84 *E.* 112

Q5. A number leaves a remainder of 3 when it is divided by 5, and it is also a multiple of 4. Which of these could it be?

*A.* 18 *B.* 23 *C.* 28 *D.* 32 *E.* 44

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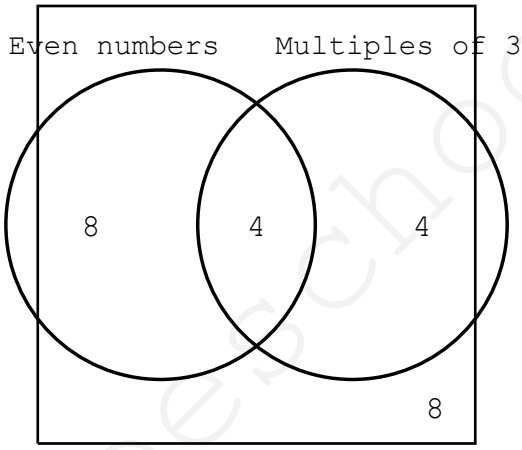
Q6. What is the square root of 169?

*A.* 11 *B.* 12 *C.* 13 *D.* 14 *E.* 17

Q7. Which of these is the largest prime number below 60?

*A.* 51 *B.* 53 *C.* 55 *D.* 57 *E.* 59

Q8. The Venn diagram sorts the numbers from 1 to 24. How many of them are even, or a multiple of 3, or both?




*A.* 8 *B.* 12 *C.* 14 *D.* 16 *E.* 20

Q9. Two numbers multiply together to give 36, and their highest common factor is 3. What are the two numbers?

*A.* 3 and 12 *B.* 4 and 9 *C.* 6 and 6 *D.* 2 and 18 *E.* 1 and 36

Q10. How many of the numbers from 1 to 100 are square numbers?

*A.* 8 *B.* 9 *C.* 10 *D.* 12 *E.* 20

Q11. Which of these calculations gives an ODD answer?

*A.* 17 × 4 *B.* 23 + 19 *C.* 9 × 7 *D.* 36 ÷ 2 *E.* 15 + 25

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Q12. The number 2 is the only even prime number. Why is that?

*A.* Every other even number has 2 as a factor as well as 1 and itself

*B.* 2 is the smallest whole number

*C.* Every other even number ends in 0

*D.* 2 is also a square number

*E.* Every other even number is a multiple of 4

Q13. A square number added to 1 makes 50. What is the square root of that square number?

*A.* 5 *B.* 6 *C.* 7 *D.* 8 *E.* 25

Q14. A florist has 56 roses and 42 lilies. She makes identical bunches using every flower. What is the greatest number of bunches she can make?

*A.* 7 *B.* 12 *C.* 14 *D.* 21 *E.* 28

Q15. Which of these numbers has the MOST factors?

*A.* 36 *B.* 48 *C.* 50 *D.* 64 *E.* 81

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