# Royal Navy – Number Series practice test 2 answers

11) The sequence of numbers 36, 48, 60, 72, 84... follows the pattern of the addition of 12 each time. Hence the answer is 84 + 12 = 96.

A = 96

12) The sequence of numbers 5, 3, 20, 6, 35, 9, 50... follows the pattern of two number series. The first number series, starting with the first number 5, is the addition of 15 each time (5 + 15 = 20; 20 + 15 = 35 and so on). The second number series, starting with the second number 3, is the addition of 3 each time (3 + 3 = 6; 6 + 3 =9 and so on). Hence the answer – as part of the second series – is 9 + 3 = 12.

E = 12

13) The sequence of numbers 25, 23, 20, 16, 11... follows the pattern of subtraction by 2, then subtraction by 3, then subtraction by 4, subtraction by 5. Hence the answer is the next in the sequence which is subtraction by 6 i.e. 11 – 6 = 5.

E = 5

14) The sequence of numbers 24, 33, 42, 51, 60... follows the pattern of the addition of 9 each time. Hence the answer is 60 + 9 = 69.

D = 69

15) The sequence of numbers 3, 5, 6, 10, 9, 20... follows the pattern of two number series. The first number series, starting with the first number 3, is the addition of 3 each time (3 + 3 = 6; 6 + 3 = 9 and so on). The second number series, starting with the second number 5, is the multiplication by 2 each time (5 x 2 =10; 10 x 2 = 20 and so on). Hence the answer – as part of the first series – is 9 + 3 = 12.

B = 12

16) The sequence of numbers 1, 2, 6, 24, 120... follows the pattern of multiplication by 2, multiplication by 3, multiplication by 4, and multiplication by 5. Hence the answer is the next in the series; multiplication by 6 = 120 x 6 = 720.

A = 720

17) The sequence of numbers 1, 2, 5, 14, 41... follows the pattern of multiplication of 3 followed by subtraction of 1 (starting with 1 x 3 = 3; 3 – 1 = 2). Hence the answer is 41 x 3 = 123; 123 – 1 = 122.

E = 122

18) The sequence of numbers 12, 3, 15, 7, 18, 11... follows the pattern of two number series. The first number series, starting with the first number 12, is the addition of 3 each time (12 + 3 = 15; 15 + 3 = 18 and so on). The second number series, starting with the second number 25, is the addition of 4 each time (3 +45 = 7; 7 + 4 = 11 and so on). Hence the answer – as part of the first series - is 18 + 3 = 21.

B = 21

19) The sequence of numbers 201, 30, 191, 40, 181, 50... follows the pattern of two number series. The first number series, starting with the first number 201, is the subtraction of 10 each time (201 – 10 = 191; 191 – 10 = 181 and so on). The second number series, starting with the second number 30, is the addition of 10 each time (30 + 10 = 40; 40 + 10 = 50 and so on). Hence the answer – as part of the first series – is 181 – 10 = 171.

C = 171

20) The sequence of numbers 1, 5, 25, 125... follows the pattern of multiplication by 5. Hence the answer is 125 x 5 = 625.

E = 625

21) The sequence of numbers 2, 20, 38, 56... follows the pattern of the addition of 18 each time. Hence the answer is 56 + 18 = 74.

B = 74

22) The sequence of numbers 2, 7, 13, 20, 28... follows the pattern of addition of 5, addition of 6, addition of 7, and addition of 8. Hence the answer is the next in the series which is addition of 9 i.e. 28 + 9 = 37.

D = 37

23) The sequence of numbers 4, 10, 5, 9, 6, 8... follows the pattern of two number series. The first number series, starting with the first number 4, is the addition of 1 each time (4 + 1 = 5; 5 + 1 = 6 and so on). The second number series, starting with the second number 10, is the subtraction of 1 each time (10 – 1 = 9; 9 – 1 = 8 and so on). Hence the answer – as part of the first series – is 6 + 1 = 7.

E = 7

24) The sequence of numbers 2, 4, 10, 28, 82... follows the pattern of multiplication by 3, followed by subtraction of 2 (starting with 2 x 3 = 6 -2 = 4). Hence the answer is 82 x 3 = 246; 246 – 2 = 244.

A = 244

25) The sequence of numbers 9, 25, 7, 30, 5, 35... follows the pattern of two number series. The first number series, starting with the first number 9, is the subtraction of 2 each time (9 – 2 = 7; 7 – 2 = 5 and so on). The second number series, starting with the second number 25, is the addition of 5 each time (25 + 5 = 30; 30 + 5 = 35 and so on). Hence the answer – as part of the first series - is 5-2 = 3.

E = 3