Voklex — 11+ Letter & Number Series Worksheet

16 sequence questions from real GL-style papers, with a full answer key. Write the alphabet at the top of the page before you start.

Part 1: Letter series

Work out the pattern and choose the letters that come next.

1. UD VF WH XJ [?]
A) ZL B) YL C) YK D) ZK E) YM

2. ZO WL TI QF [?]
A) NC B) OD C) MC D) ND E) OB

3. JL ML PL SL VL [?]
A) ZL B) YL C) VL D) XL E) UL

4. BE CJ EN HQ LS [?]
A) QS B) QT C) MS D) ST E) MT

5. UD VF WH XJ [?]
A) ZL B) YL C) YK D) ZK E) YM

6. ZO WL TI QF [?]
A) NC B) OD C) MC D) ND E) OB

7. HT KR NV QT TX ?
A) VV B) XV C) WU D) WV E) WW

8. GJ GK FK DJ AH ?
A) VE B) WF C) WE D) XE E) WD

Part 2: Number series

Work out the pattern and choose the number that comes next.

9. 23, 20, 19, 16, 15, ?
A) 13 B) 12 C) 11 D) 10 E) 14

10. 1, 3, 3, 7, 9, 11, ?
A) 26 B) 29 C) 25 D) 27 E) 28

11. 42, 15, 41, [. . . . .], 40, 17, 39
A) 17 B) 15 C) 16 D) 18 E) 14

12. 22, 28, 31, [. . . . .], 40, 46
A) 36 B) 35 C) 39 D) 37 E) 38

13. 65, 70, 68, [. . . . .], 71, 76, 74
A) 74 B) 72 C) 73 D) 75 E) 71

14. 37, 46, 55, [. . . . .], 73, 82, 91
A) 63 B) 66 C) 64 D) 65 E) 62

15. 12 6 16 10 20 14 (?)
A) 26 B) 25 C) 24 D) 23 E) 22

16. 71 62 54 47 41 (?)
A) 36 B) 35 C) 37 D) 38 E) 34

Answer key

Every answer includes the reasoning, so you can talk it through together.

1. B — The first letters go up one each time: U, V, W, X, so the next is Y. The second letters go up two each time: D, F, H, J, so the next is L. So the answer is B) YL.

2. A — Look at the first letters: Z, W, T, Q. Each one is three places earlier in the alphabet than the one before (Z→W→T→Q), so the next first letter is N. Do the same with the second letters O, L, I, F – they also go back three each time, giving C, so the pair is NC. So the answer is A) NC.

3. B — The first letters go up by three each time: J (10) → M (13) → P (16) → S (19) → V (22). Adding three again gives Y (25). The second letter stays the same, L, in every pair. So the next pair is YL. So the answer is B) YL.

4. B — First letters go up by 1, then 2, then 3, then 4, so the next jump is 5 giving Q. Second letters go up by 5, then 4, then 3, then 2, so the next jump is 1 giving T. So the answer is B) QT.

5. B — The first letters go up one each step: U, V, W, X, Y. The second letters go up two each step: D, F, H, J, L. So the next pair is YL. So the answer is B) YL.

6. A — The first letters move back three places each step (Z → W → T → Q → N) and the second letters also move back three places each step (O → L → I → F → C). So the next pair is NC. So the answer is A) NC.

7. D — The first letter moves forward 3 letters each time. The second letter moves back 2 letters then forward with', whereas 'reject' means 'to discard or refuse to accept'. 4 letters alternately.

8. C — The first letter moves back 1 additional letter each time, i.e. 0, –1, –2, –3. The second letter moves in the sequence +1, self-worth'. 0, –1, –2, –3.

9. B — The numbers follow the sequence –3, –1, –3, –1, –3.

10. D — There are two sequences which alternate. In the first you multiply by 3 each time, and in the second you add 4 each time. that can be made.

11. C — Look at the numbers in pairs: 42 then 15, 41 then 16, 40 then 17, 39. The first number goes down by 1 each time (42, 41, 40, 39) and the second goes up by 1 (15, 16, 17). So the missing number is 16. So the answer is C) 16.

12. D — The differences between numbers are +6, +3, +6, +3, +6: 22 to 28 is +6, 28 to 31 is +3, then +6 gives 37, then +3 gives 40, then +6 gives 46. So the missing number is 37. So the answer is D) 37.

13. C — Look at the pattern: 65 to 70 is +5, then 70 to 68 is -2, and this +5, -2 pattern repeats. So 68 + 5 = 73, and checking on: 73 - 2 = 71, 71 + 5 = 76, 76 - 2 = 74, which fits. So the answer is C) 73.

14. C — The numbers go up by 9 each time: 37 + 9 = 46, 46 + 9 = 55. So the missing number is 55 + 9 = 64, and 64 + 9 = 73 fits too. So the answer is C) 64.

15. C — The pattern alternates: first subtract 6 (12 to 6), then add 10 (6 to 16), then subtract 6 (16 to 10), then add 10 (10 to 20), then subtract 6 (20 to 14). So next we add 10 to 14, giving 24. So the answer is C) 24.

16. A — The differences between numbers are 9, 8, 7, 6, so the next difference should be 5. 41 minus 5 equals 36. So the answer is A) 36.