

Mensa New Zealand Incorporated

This home test is offered to give you an idea of the type of tests that we do.

Questions 1 to 8 are numerical, or letter based, whereas we use more graphic tests these day, more like those in questions 9 to 33.

However try to answer all of the questions so that you receive an accurate score.

This score will give you an idea of how you might fare on the real test.

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Results

Thanks for completing the Mensa online test. You got 29 of 33 questions correct, and therefore have a very good chance of successfully completing the Mensa entry test.

[Repeat the test](#)

Answers

Questions 1-8

1) M – Your answer: M

The correct answer must be M (or m) because there are two letters missing between each letter:

A (B) (C) / D (E) (F) / G (H) (I) / J (K) (L) / M

2) 15 – Your answer: 15

The correct answer must be 15 because the interval increases by one more each time:

1 (+2) 3 (+3) 6 (+4) 10 (+5) 15

3) 8 – Your answer: 8

The correct answer must be 8 because two numbers are always added to produce a third number:

1+1=2 / 1+2=3 / 2+3=5 / 3+5=8

4) 6 – Your answer: 6

The correct answer must be 6 because the subtracting interval increases by 1 more each time:

21-1=20 / 20-2=18 / 18-3=15 / 15-4=11 / 11-5=6

5) 5 – Your answer: 5

The correct answer must be 5 because 2 is subtracted and 1 is added at alternating intervals:

8-2=6 / 6+1=7 / 7-2=5 / 5+1=6 / 6-2=4 / 4+1=5

6) 4 – Your answer: 4

The correct answer must be 4 because the each number is the square root of the preceding number:

$\sqrt{65536}=256$ / $\sqrt{256}=16$ / $\sqrt{16}=4$

7) 1 – Your answer: 1

The numbers are those of a sine curve, so 1 is the correct answer:

1-1=0 / 0-1=-1 / -1+1=0 / 0+1=1

8) 2 – Your answer: 2

The correct answer must be 2 as each number is a square root of the result of the preceding number plus 1:

3968+1=3969 / $\sqrt{3969}=63$

63+1=64 / $\sqrt{64}=8$

8+1=9 / $\sqrt{9}=3$

3+1=4 / $\sqrt{4}=2$

Questions 9-18

9) C – Your answer: C

The correct answer must be C as every symbol has one line more than the preceding one. First 1 line, then an open triangle (2 lines), then a triangle (3 lines), therefore the square (4 lines) is missing.

10) B – Your answer: B

The correct answer must be B because one hand is always at 6 o'clock, and the other is turned back 1 and a half hours each time, so 4:30, 3:00, 1:30, and then 12:00.

11) D – Your answer: C

Look at the number of lines coming from the centre of the box. The first one has 2 lines, the second one has 3 and the third has 5 lines. $2+3=5$, so the fourth picture must be $3+5=8$ lines to be consistent.

12) D – Your answer: D

The half squares are turned 90 degrees counter-clockwise. The smaller symbols have one line more each time. The correct picture has the half-square in the top right corner and a small symbol with 4 lines.

13) D – Your answer: D

The arrows each have one more feather than the previous one. The correct symbol must have 3 feathers.

14) C – Your answer: C

The first symbol has two lines, the second has 4 and the third has 6. Therefore the fourth symbol must have 8. In symbol one, the lines start at the bottom-left. In symbol two they start at the top right. Symbol 3 starts at the bottom-right. The correct answer must have a symbol starting bottom-left with 8 lines.

15) C – Your answer: C

The dot is always rotated 90 degrees clockwise and the line 180 degrees. Therefore the dot and line must meet as in answer C.

16) D – Your answer: D

The outside square bracket rotates 90 degrees clockwise. The middle one rotates 180 degrees and the inner one 90 degrees counter-clockwise. Therefore D must be the correct answer.

17) B – Your answer: C

Using a process of elimination, answers A and D can be eliminated because they do not continue the sequence. C is also wrong as the third symbol would have to have no cross-lines like in answer D. Answer B is the only plausible option.

18) A – Your answer: A

The first symbol has 5 points, the second has 4 and the third has three. The correct answer therefore must have two (in this case, it's an ellipsoid). The answer must be an ellipsoid with a flag that follows the clockwise rotation, which is A.

Questions 19-22

19) AD – Your answer: AD

A triangle (3 sides) is to a square (4 sides) as a square is to a pentagon (5 sides). The answers A and D are therefore correct.

20) BC – Your answer: BC

B and C must be chosen. The first oblong is to triangle B like the second oblong is to triangle C.

21) AD – Your answer: AD

Here the answers A and D are correct. The given symbols consist of two circles, two squares and two half-squares. The answers A and D are similar, but the circles are replaced by triangles.

22) BD – Your answer: BD

Here the first oblong is to the pentagon B (the parallel lines are the same) as the triangle is to the oblong D (the parallel lines are the same).

Questions 23-26

23) D – Your answer: A

The first circle has a white ring and a black dot. The second is identical but without the black dot. The fourth symbol has a black frame and a small white square in the middle. The correct answer must be a symbol with a black frame without a white square in the middle, therefore D.

24) C – Your answer: C

The first two symbols add up to a whole. One symbol is white and the other is black. Therefore the third symbol must match the fourth and be the opposite colour. Answer C is correct.

25) B – Your answer: D

The first symbol is a double-arrow with inverted flukes. The second is the same but with normal flukes and rotated counter-clockwise 135 degrees. The correct answer must follow the 135 degree rotation and have inverted flukes. B is correct.

26) C – Your answer: C

The first two dice are nearly identical, but the second one is rotated 180 degrees. The third die must be correspondingly rotated from the fourth. Therefore C is the correct answer.

Questions 27-33

27) B – Your answer: B

Because all opposite symbols must match, B is the correct answer.

28) D – Your answer: D

The shape of the symbols in a horizontal line is identical. Therefore a square must be inserted. The middle line shows that each line contains two white and one black symbol. Therefore D is the correct answer.

29) C – Your answer: C

As each horizontal line contains the same large symbols of a common colour, and the left column contains stars and the right column contains dots, C must be the correct answer.

30) A – Your answer: A

The signs inside the symbols move from the centre outwards. In the first line, they move right. In the second line, the move down (a 90 degrees rotation), so in the third line, a 90 degree rotation means they must move to the left. A is the correct answer.

31) C – Your answer: C

The lines on the symbols are rotated by 45 degrees clockwise from column one to column two and by 90 degrees clockwise from column two to column three. The small symbols in the corners are rotated by 90 degrees around the centre point from column one to column two and by 180 degrees between columns two and three. Answer C follows these principles and is correct.

32) D – Your answer: D

The number of lines below the symbols match the objects (triangles have one, squares have two, and circles have three). All objects turn 90 degrees clockwise and one column to the right as they move from one row to the next. Answer D is the correct one.

33) C – Your answer: C

Here C is the correct answer. Opposing triangles are point reflections. Hollow circles and arrows are already point reflected in the centre position. Therefore the blank triangle must have a filled circle in the middle, so only B or C can be correct. The arrow is always clockwise in front of the filled circle, so C is the correct answer.