

QUIZ.doc

COLLABORATORS

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REVISION HISTORY

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Chapter 1

QUIZ.doc

1.1 QUIZ.doc

Not Very Quick Quiz

Below are some teaser style questions. They have been taken from "The IQ Challenge", a book written by 2 joint editors of the Mensa UK Puzzle Group Journal, Philip J Carter & Ken A Russell. To enable you to monitor your performance throughout the quiz, you will see a number of stars after the question number. They are allocated as follows:

* Standard

** More Challenging

*** Difficult

**** Appalingly Difficult

1.** There is a logical way to get from the top left hand square to the bottom right hand square by moving square to square horizontally, vertically, or diagonally and visiting every square once only. What is the sequence?

* * * * *

START * 3 * 6 * 5 * 3 * 5 * 9 *

* * * * *

* * * * *

* 7 * 9 * 1 * 6 * 8 * 0 *

* * * * *

* * * * *

* 2 * 8 * 1 * 6 * 4 * 9 *

```

* * * * *
*****
* * * * *
* 1 * 7 * 8 * 9 * 7 * 1 *
* * * * *
*****
* * * * *
* 2 * 2 * 4 * 1 * 1 * 7 *
* * * * *
*****
* * * * *
* 9 * 7 * 3 * 2 * 4 * 7 * FINISH
* * * * *
*****

```

2.** Travel out of the number maze, by finding a meaningful route, starting at the middle square, and moving to the top right from square to square horizontally, vertically, or diagonally and visiting every square once only.

```

*****
* * * * *
* 1 * 1 * 5 * 1 * 3 * OUT
* * * * *
*****
* * * * *
* 1 * 7 * 3 * 4 * 4 *
* * * * *
*****
* * * * *
* 3 * 2 * * * 3 * 7 *
* * * * *
*****
* * * * *
* 1 * 1 * 2 * 2 * 3 *
* * * * *
*****
* * * * *
* 7 * 9 * 9 * 3 * 1 *
* * * * *
*****

```

3.* Fill in the names of the countries below. The first letter of each country is an anagram of another country and its capital.

- N - I - U -

- A - T - N - Q - E

- E - C - E - L - S

- U - A -

- G - N - A

- E - E -

- U - A -

- L - E - I -

- N - O - A

- N - O - E - I -

- E - E - A -

- O - O - B - A

- W - N - A

4.* What is an oxymoron? The answer is a very rarely used word describing a very often used figure of speech in which two words of opposite meaning are linked together to form a descriptive phrase, eg - Golfers play with metal woods and make good bad shots, and snooker players sometimes thin the ball too thickly.

The following is a list of oxymorons. Column two has been mixed up and should be paired with a word in column one.

1 2

Fine History

Dry Permanent Secretary

Awfully Jump

Slipped The rear

Sweet Chilli

Good Games

Stand Sherry

Standing Good

Retired Goods

Future Grief

Sit Fit

War Beginners

Spend Sweet

Perfectly Drizzle

Advance to Numb

Advanced Thrift

Feeling Awful

Bitter Down

Loose Up

Hot Sorrow

Bad Up

5.** By moving from square to square horizontally, vertically, or diagonally it is possible to find the names of 32 birds in the grid below.

Squares may be used more than once, but not in the same name. There is no square unused.

```

*****
* * * * *
* N * I * O * L * N * I * W * I *
* * * * *
*****
* * * * *
* I * O * R * C * E * D * R * N *
* * * * *
*****
* * * * *
* B * K * U * E * G * R * T * G *
* * * * *
*****
* * * * *
* O * C * T * N * W * A * R * O *
* * * * *
*****
* * * * *
* R * R * J * N * I * P * K * W *
* * * * *
*****
* * * * *
* O * M * A * L * A * R * S * A *
* * * * *
*****
* * * * *
* E * Y * G * L * D * O * E * N *
* * * * *
*****
* * * * *

```

* I * P * A * R * V * E * V * E *

* * * * *

6.*** This is a crossword which appeared in the Mensa Journal, and only one person got it right, so if you are successful, you know how well you have done. The object is to put each of the 26 letters of the alphabet into the grid once only to form a crossword. There are no clues, what is required is a feat deal of juggling with letters and words.

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* * * *
*****
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* *
* *
*****

```

7.*** Fill in the grid below with the numbers 1-16 to form a magic square so that each vertical and horizontal line, each corner to corner diagonal line, the four corners, each block of four corner squares and the middle four block of numbers each add up to 34. Number 7 has been filled in for luck!

```

*****
* * * * *
* 7 * * * *
* * * * *
*****
* * * * *
* * * * *
* * * * *
*****
* * * * *
* * * * *
* * * * *
*****
* * * * *
* * * * *
* * * * *
*****

```

8.* On the evening before the night when the clocks were put back an hour to mark the end of Summer Time, Mr Riddle phoned his solicitor to make an appointment for the following morning. When the solicitor asked the time of the appointment Mr Riddle said "11 hours after it takes the Town Hall clock 10 seconds to strike the hour". "Doesn't the Town Hall clock strike at 1-second intervals?", asked the solicitor. "Yes.", said Mr Riddle. "OK, then, that's easy enough to work out.", said the solicitor. What was the time of the appointment?

9.* Two men, which are both strangers to each other, are on holiday. They both enter a pub. The barman asks what they want to drink. The first man answers "A bottle of stout.", and puts 50p down on the counter. The

barman asks "Guinness is 50p, or Jubilee is 45p.". The first man says that he wants Jubilee. The second man says "I'll have a bottle of stout as well.", and puts 50p on the counter. Without asking, the barman gives him Guinness. How did he know that this is what the second man wanted?

10.* All the following are anagrams of animals:

- a) Corona e) Someday
- b) Paroled f) Alpines
- c) Retirer g) Orchestra
- d) Lesions h) California (2 Words)

11.*** In the set of words below, arrange the 14 words in pairs so that each pair is an anagram of another word or name. The seven words produced will have a linking theme. For example, if the words DIAL and THAN were in the list, they could be paired to form an anagram of THAILAND and the theme would be countries.

Ample

Came

Care

Centre

Chin

Coin

Cord

Crease

More

Rap

Shake

The

To

Try

12.*** More of the same.

Feed

Frail

Gain

Grin

Grip

Heat

Hers

Lag

Last

Love

Pans

Trade

Tramp

Wait

13.*** A man has nine children born at regular intervals. The sum of the square of their ages is equal to the square of his own age. What are the ages of the children?

14.** A man is walking his dog on the lead towards home at a steady 3 MPH. When they are 7 miles from home, the man lets his dog off of the lead. The dog immediately runs off towards home at 8 MPH. When the dog reaches the house it turns around and runs back to the man at the same speed. When it reaches the man it turns back for the house. This is repeated until the man gets home and lets in the dog. How many miles does the dog cover from being let off of the lead to being let into the house?

15.**** Insert the sections into the grid to form a 10 x 10 magic square so that each horizontal, vertical, and corner to corner line totals 505.

```

***** ++++++ ++++++
* * * * * + 78 + 35 + + 37 + 44 +
***** ++++++ ++++++
* * * * * + 84 + 36 + + 43 + 50 +
***** ++++++ ++++++
* * * * *
***** ++++++ ++++++
* * * * * + 04 + 81 + + 94 + 96 +
***** ++++++ ++++++
* * * * * + 85 + 87 + +100 + 77 +
***** ++++++ ++++++
* * * * *
***** ++++++ ++++++
* * * * * + 25 + 02 + + 52 + 34 +
***** ++++++ ++++++
* * * * * + 76 + 83 + + 33 + 65 +
***** ++++++ ++++++
* * * * *
***** ++++++ ++++++
* * * * * + 09 + 61 + + 10 + 12 +
***** ++++++ ++++++
+ 90 + 42 + + 11 + 18 +
+++++ ++++++ ++++++ ++++++ ++++++

```

+ 58 + 40 + + 46 + 53 + + 86 + 93 +

+++++

+ 64 + 41 + + 27 + 59 + + 17 + 24 + + 39 + 66 + + 88 +

+++++

+ 38 + 45 + 72 + + 19 + 21 + 03 +

+++++

+ 23 + 05 + 82 + + 63 + 70 + 47 +

+++++

+ 79 + 96 + + 71 + 28 + + 92 + 99 + 01 + + 54 + 56 +

+++++

+ 98 + 80 + 07 + + 60 + 62 + 69 +

+++++

+ 08 + 15 + 67 + + 91 + 48 + 30 +

+++++

+ 14 + 16 + + 97 + 29 + 31 + + 89 + + 74 + 51 +

+++++

+ 20 + 22 + + 13 + 95 + + 73 + 55 + 57 +

+++++

+ 68 + 75 +

+++++

+ 49 + 26 +

+++++

+ 32 +

+++++

16.** What is unique about the number 854917632?

17.** On Japanese trains there is a rule that forbids passengers bringing on to a train objects longer than 36 inches. How did a passenger travel with a ceremonial sword that was 42 inches long?

18.* A traveller in a strange country, with no map, comes to a crossroads where a signpost has been knocked down. How can he find his way without asking anyone for directions?

19.*** A full cask of wine has a bung hole on the top surface. You have only a bottle of water. Without moving the cask or damaging it, and using no other appliances, how can you obtain a bottle of wine from the cask?

?