**C. List of Serial Tests (Joint Mental Deficiency Committee in UK).**

**This is the test brought up to date for measurements used to decide if people in the UK were mentally deficient and it still influences psychological testing today. Was it fair?**

**Instructions. Set up in pairs: one an investigator the other the subject. Start test two years below your actual age (Chronological age CA). If you can’t do the questions go back to lower age group until you can successfully complete. Then work forward on test ages until you cannot correctly answer all. This will be the Mental Age (MA). Teachers will need to provide some of test materials marked with \*.**

**After completing you can calculate the subjects Intelligence Quotient (IQ) using formula IQ = MA x 100 / CA. Adults scoring 12 or below were seen as mentally deficient and children performing two years below CA level, were seen as feeble minded. 14 was thought the age when intelligence was fully developed.**

**Age 3**

1. Points to nose, eyes and mouth
2. Knows own sex
3. Names familiar objects e.g. knife, key, penny( 2 out of 3)\*
4. Gives name and surname.
5. Replace a nest of five boxes \*(child shown boxes inside each other, then placed on table in haphazard way and asked to place back in order inside each other). Alternate 12 counters 3 of each of primary colours-red, green, blue and yellow\*. Placed in a random order on table. Investigator picks up one. Child has to pick up matching. Or repeat two numbers after investigator.

**Age 4**

1. Repeats a sentence of six or eight syllables. Three sentences given e.g. “The cat runs after the mouse.” “It is wet and very cold.” “The boy will be late for school.” (To pass, one should be repeated accurately, or two repeated with only one mistake in each).
2. Repeats 3 digits. “Say after me 3, 6.1; 7, 5, 2; 4, 8, 3.” (to pass two series must be repeated accurately)
3. Count four objects- beads, pennies\* “ Count these beads/ pennies”
4. Say which is the longer of two lines drawn on a piece of paper\*.
5. Compare faces. Three pairs of ugly or pretty faces shown\*. (To pass all must be correct.)

Alternative Compare 8 pairs of geometric forms\*. Investigator points to one. The child finds a similar piece (to pass six must be correct).

**Age 5**

1. Copy a square\*. A drawing of a square is shown and child required to copy with a pencil (Three trials may be given. To pass two must be correct).
2. Repeat four digits. “Say after me 9,7,2,5; 8,3,1, 7; 6, 4, 9, 5.” ( Two series correct to pass)
3. Carry out a triple order e.g. “ Put this pencil on the chair, open door and give me the book.” (No error to pass).
4. Compare weights. Give three prepared pairs of small boxes containing weights of 7 and 20 grams, 5 and 15 grams and 3 and 12 grams\* (When clear child knows what is required all should be compared accurately to pass).
5. Name for primary colours correctly when shown i.e. red, green, blue, yellow\*. ( All correct to pass)

Alternatives Answer the comprehension questions a) “ What is the thing to do when you are hungry-cold-sleepy?” (To pass sensible answers must be given to two out of three ) b) Tells age c) Tells whether morning or afternoon.

 **Age 6**

 1. Count thirteen pennies or beads\*. (They must be in a row to pass.)

 2. Copies the outline of a diamond\*. (Two correct out of three to pass.)

 3. Name four coins (1p,5p,10p 20 p\*) (All correct to pass.)

 4. Repeat five digits “ Say after me 9,5,4,7,1; 2,8,3,5, 7; 6,1,9,2,5. (Two series correct to pass.)

 5. Distinguish left and right. “Show me left hand, right eye, left ear”. (All correct to pass.)

Alternatives a) Define by use “What is a cat, chair, spoon, table, cup, mother etc. for? b) Name days of the week. c) Knows number of fingers on both hands. d) Repeats a sentence of sixteen to eighteen syllables “ We will go out for a long walk; please give me my pretty new hat.”

**Age 7**

1. Tell missing features in an outline drawing of a face from which some points have been omitted\*.
2. Repeat three digits backwards. “ Say these numbers backwards after me 6,3,1; 9,3, 5; 2,7,4”
3. Answer comprehension questions: “ What is the sensible thing to do if you miss your train? If your home is on fire? If it is raining when you start walking to school?( To pass two out three must be sensible.)
4. Tell the total value thee five pence pieces and three pennies\* placed before them.
5. State differences between objects i.e. fly and butterfly, wood and glass, egg and stone (Two out of three to pass)

Alternates tie a bow not imitating a model\* b) Name the days of the week in order and tells day before yesterday and the day after tomorrow.

 **Age 8**

1. Count backwards 20 to 1. (May be shown what is needed by saying 20, 19, 18).
2. Give the meanings of twenty words (A list of words is supplied\* and the child has to give a satisfactory meaning to 20 of them e.g. orange, bonfire, roar, ramble, priceless, milksop etc.
3. States similarities of two things i.e. wood and coal, apple and orange, iron and silver, ship and motor car. (Two out of four to pass).
4. Gives change out of a 20pence\* (actual coins used)
5. Comprehension questions. “What’s the thing to do if you have broken something that does not belongs to someone else? If you are on your way to school and find you are likely to be late? If a school fellow hits you without meaning to do it ? (Two out of three to pass.) Alternative give the date. Repeat 6 digits.

**Age 9**

1. Ball in field test. A circle about 2 inches [4.8 cm] across is drawn to represent a round field, with a small gap for a gateway\*. Say, “ Suppose you had lost a ball in a big field like that, mark with a pencil the way you would walk to be sure of finding it.” [Any indication of a plan is accepted at this age.)
2. Repeat four digits backwards. Say 6, 9,3, 1; 7,5, 8, 2; 4 9, 4, 7. (Two out of three to score.)
3. Make a sentence containing three specified words e.g. boy, ball, river. (Must make sense to score.)
4. Name six coins – 1p, 5 p, 10 p, 20 p 50 p £1 or £2 (six to score).
5. Give rhymes to three specified words e.g. day, mill, spring (Three rhymes required for each word).

Alternatives a) Three words supplied on separate cards. Rearrange in a mixed sentence e.g. “The cat saw the dog on the wall.” b) Name months in order. c) Tell the time from a watch or clock\* (Must get right to score.)

**Age 10**

1. Name months in order, with checks (e.g. “which month comes after May? Before January?”)
2. Arrange five weights in order. Equal size boxes weighing 3, 6,9,12 and 15 grams\*. (To pass, two correct out of three trials.)
3. Copies of drawings from memory. Copy two simple line drawings\* after 10 second exposure. To pas one correct the other half correct.)
4. Give the meaning of thirty words.\* Word list supplied <http://www.home-speech-home.com/multiple-meaning-words.html>
5. Repeat six digits. 1,7,9,5,3, 8; 4,6,3,7,1, 9; 5, 8, 2, 6, 4, 8. (To pass, one of two series correct)

Alternative- Reading and reporting. Reads aloud a given passage\* and recalls 8 items.

**Age 11**

1. Detect Absurdities in three sentences. “ A man said ‘If I commit suicide I shall not do it on a Friday, because Friday is an unlucky day and would bring me bad luck’”.

“ A man said he heard of a good signpost which had on it ‘Turn to the left for Bedford. If you cannot read, ask the way at the post office.’”

“ A station-master said, ‘It is very often the last carriage of the train that is hit in an accident, so in future I shall take the last carriage off.’”

1. Answer comprehension questions. “If you are asked for the character of a person you do not know, what should you say?” “Why should we judge a person more by his actions than by what he says?” “What ought you do before beginning something very important?”
2. Give sixty words in three minutes.
3. Repeat a sentence of twenty-three syllables after hearing it once. E.g., “The apple trees make a cool, pleasant shade on the ground where the children are playing.”
4. Repeat five digits backwards. 6,5,4,7,8; 3,2,4,9,7; 1,6,7, 9,3. (One out of three series to pass.)

Alternatives - Give the right time from watch a quarter-hour fast\*.

 **Age 12**

1. State similarities of three things e.g. apple, pear, plum; book, teacher, newspaper; wool, cotton, leather; knife-blade, penny, piece of wire; rose, potato, tree (Three out of five correct to pass.)
2. Give meanings of forty words. \* Word list supplied. <http://www.home-speech-home.com/multiple-meaning-words.html>
3. Ball in field test\*. A circle about 2 inches [4.8 cm] across is drawn to represent a round field, with a small gap for a gateway. Say, “Suppose you had lost a ball in a big field like that, mark with a pencil the way you would walk to be sure of finding it.”(Superior plan to pass.)
4. Rearrange mixed sentences i.e. “Started the morning early we this country.” “To paper my asked I my correct teacher.” “A defends dog good his bravely master.” (Each sentence to be written on a separate piece of paper. To pass two out of three correct in a minute each.)
5. Picture identification. Give the meanings of the pictures presented\*. (6 cards, get 4 right.)

**Age 13**

1. Repeat seven digits. “Say 9,5,4,3,7,2,8 ; 3,5,2,6,1,7,9 ( To pass, one out of two series must be correct.)
2. Define abstract words i.e. pity, revenge, charity, envy, justice. (Three out of five to pass.)
3. Interpret fables. Three simple fables are read and the subject has say what lessons have been learned e.g. Hare and Tortoise race, Dove and Crow\* <http://www.taleswithmorals.com/> (To pass must interpret 2 correctly).
4. State what time would be if the hands of clock were reversed\*.

**Age 14**

1. State the differences between a king and a president i.e., power, tenure, accession (Two out three to score.)
2. Arithmetical reasoning. “ If a man has £20 a week and spends £18 a week, how long will it take to save £20?”

“If two pencils cost 60p, how many can you buy for £6 ?” “At £3.50 an metre how much will 2metres 33cm costs?” (Two out of three to pass)

1. Induction test, folded paper x 8\*. What was the original size of paper?
2. Give the meanings of fifty words. Word sheet supplied\* <http://www.home-speech-home.com/multiple-meaning-words.html>
3. Give the differences of abstract terms i.e. laziness and idleness, evolution and revolution, poverty and misery, character and reputation. (three out of four to pass).