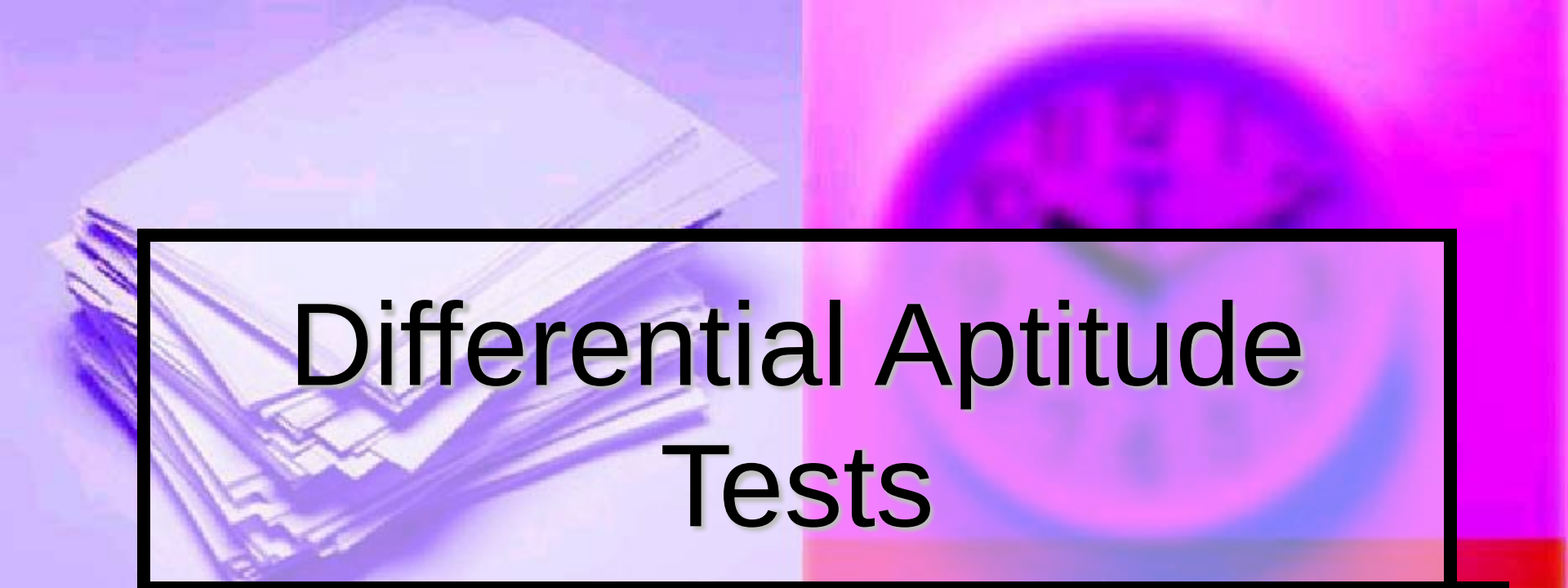




Differential Aptitude Tests



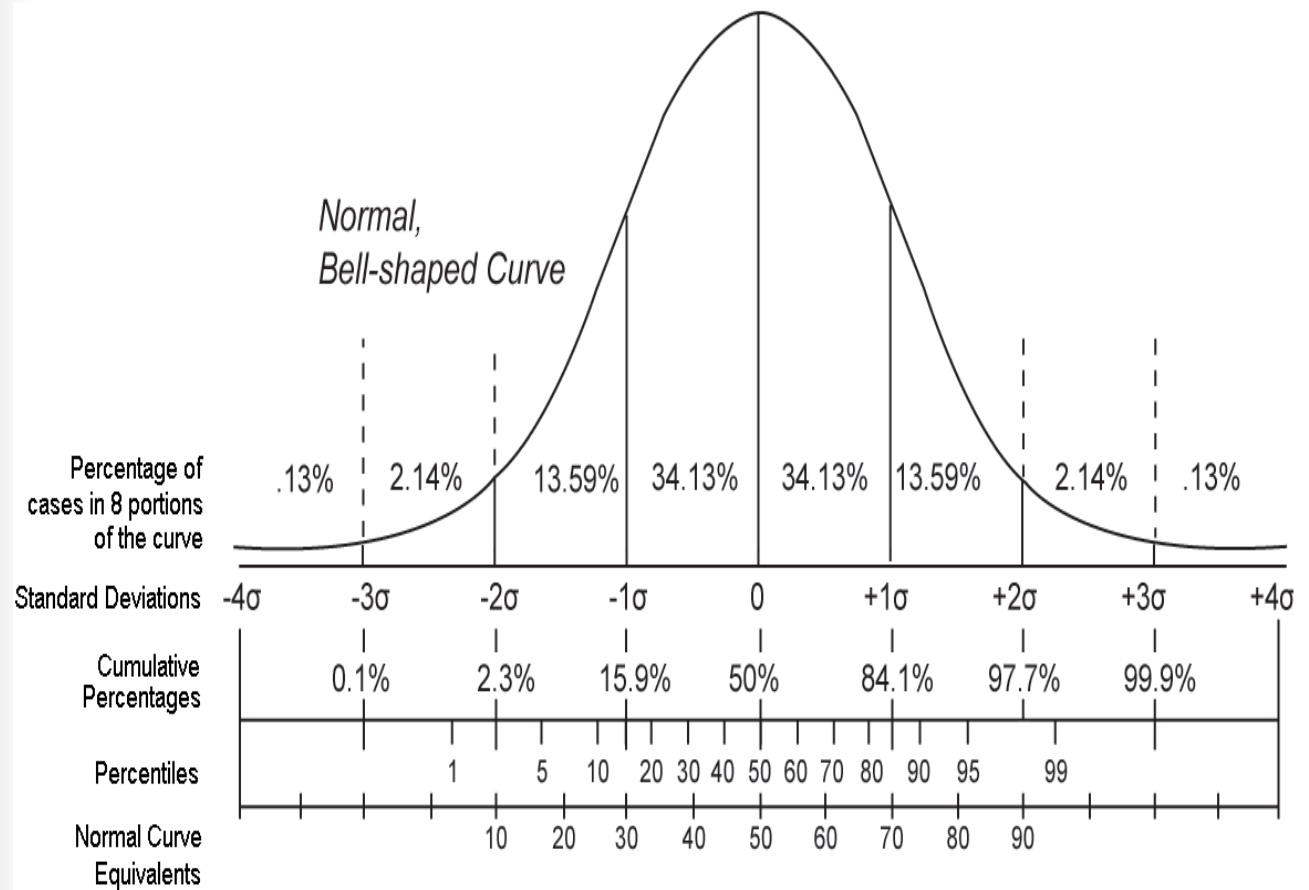
Results Feedback

Explanation of Percentile Rank

- Places a pupil's ability on a scale from 1-99.
- The point at which the scores fall shows the pupil's position compared with others of the same age.
- E.g. A score falling at percentile rank 38 would show that a pupil is better than 38% of the population of pupils of the same age.
- 62% would be expected to achieve higher scores.
- A score falling at percentile rank 30 would show that the pupil's performance on that test was weaker than 70% of the population of pupils of the same age.



The Bell Curve





Aptitude

- Tendency; Inclination
- Natural Ability
- Readiness to Learn
- Personal Strengths/Weaknesses

What is Measured?

- Verbal Reasoning
- Numerical Reasoning
- Abstract Reasoning
- Perceptual Speed and Accuracy
- Mechanical Reasoning
- Space Relations
- Spelling
- Language Usage
- {Educational Aptitude}



Verbal Reasoning

- This test measures the ability to reason with words and to think logically.
- Important for work involving communicating ideas or understanding written material.
- Highly important in academic courses.
- Sample Careers/courses; Law, Journalism, Social Work, Arts, European Studies, Media, P.R., Advertising, Education....
- Sample subjects; English, History, Languages....





Numerical Reasoning

- Measures the ability to reason with numbers and to deal intelligently with quantitative measures.
- In order to ensure that the reasoning rather than the computational facility is stressed, the computational level of the problem is low.
- Sample careers/courses; Finance, Science, Sales, Banking, Architecture, Engineering....
- Sample subjects; Maths, Physics, Chemistry, Applied Maths, Accounting, Economics....

Abstract Reasoning

- Non-Verbal/Non-Numerical measure of reasoning power.
- It assesses how well one can reason with geometric figures or designs.
- Sample careers/courses; Engineer, Doctor, Scientist, Musician, Software Design, Teacher, Computer Programmer, Mechanic, Management...
- Sample Subjects; Physics, Chemistry, Biology, Music, History, Art...



Perceptual Speed & Accuracy

- Measures the ability to compare and mark written lists quickly and accurately.
- Test items do not call for reasoning skills the emphasis is on speed.
- Important for scientific or technical work where precision is necessary.
- Sample careers/courses; I.T. Lab. Technician, Office Administration, Surgeon, Forensics.....
- Sample subjects; Important in all subjects but the main challenge occurs at examinations.
- This score may have implications regarding all the others



Mechanical Reasoning

- Measures the ability to understand basic mechanical principles of machinery, tools and motion, and the laws of everyday physics
- Sample careers/courses; Engineer, Mechanic, Electrician, Technician, Science, Product Design...
- Sample subjects; Physics, Applied Maths...



Space Relations

- Measures the ability to visualise a three-dimensional object from a two-dimensional pattern and to visualise how this object would look if rotated in space.
- Sample careers/ courses; Art, Design, Architecture, Engineering, Carpentry, Dentistry, Photography, Fashion Design....
- Sample subjects; Art, Home Economics, Technical Graphics...





Spelling

- Measures ability to spell common English words.
- This is a basic skill necessary in many academic and vocational pursuits, especially in courses requiring written reports.



Language Usage

- Measures the ability to detect errors in grammar, punctuation and capitalization.
- Sample careers/ courses; Writing, Teaching and almost all University courses.
- Sample subjects; All subjects, all exams
- Language Usage and Spelling are included in the DAT because the skills they measure are important in so many areas of education and work.



Educational Aptitude

- Verbal Reasoning and Numerical Reasoning combined.
- This score provides the best general measure of educational aptitude or the ability to learn from books and Teachers and to perform well in academic subjects.