

## APTITUDES

Aptitudes are innate abilities; natural talents an individual possesses. Aptitudes remain constant throughout life.

- **Arm-Hand Steadiness**
  - Light a candle
  - Thread a needle
  - Cut facets in a diamond
- **Auditory Attention**
  - Listen to a lecture while people nearby are talking
  - Listen for your flight announcement at a busy airport
  - Listen to instructions from a coworker in a noisy saw mill
- **Category Flexibility**
  - Sort nails in a toolbox on the basis of length
  - Classify flowers according to size, color, and smell
  - Classify man-made fibers in terms of their strength, cost, flexibility, melting points, etc.
- **Control Precision**
  - Adjust a room light with a dimmer switch
  - Adjust farm tractor controls
  - Drill a tooth
- **Deductive Reasoning**
  - Know that a stalled car can coast downhill
  - Decide what factors to consider in selecting stocks
  - Design an aircraft wing using principles of aerodynamics
- **Depth Perception**
  - Merge a car into traffic on a city street
  - Operate a crane to move materials from a truck bed to the ground
  - Throw a long pass to a closely guarded teammate
- **Dynamic Flexibility**
  - Hand pick a bushel of apples from a tree
  - Perform a dance routine as part of a cheerleading squad
  - Maneuver a kayak through swift rapids
- **Dynamic Strength**
  - Use pruning shears to trim a bush
  - Climb a 48-foot long ladder
  - Perform a gymnastics routine using the rings
- **Explosive Strength**
  - Hit a nail with a hammer
  - Jump onto a 3-foot high platform
  - Throw a shot-put in a track meet
- **Extent Flexibility**
  - Reach for a microphone in a patrol car
  - Reach for a box on a high warehouse shelf
  - Work under the dashboard of a car
- **Far Vision**
  - Read a roadside billboard

- Focus a slide projector
- Detect differences in ships on the horizon
- **Finger Dexterity**
  - Put coins in a parking meter
  - Attach small knobs to stereo equipment on an assembly line
  - Put together the inner workings of a small wrist watch
- **Flexibility of Closure**
  - Tune in a radio in a noisy truck
  - Look for a golf ball in the rough
  - Identify camouflaged tanks from a high-speed airplane
- **Fluency of Ideas**
  - Name four different uses for a screwdriver
  - Think of as many ideas as possible for the name of a new company
  - Name all the possible strategies for a military battle
- **Glare Sensitivity**
  - Drive on a familiar road on a cloudy day
  - See boats on the horizon when sailing
  - Snow ski in bright sunlight
- **Gross Body Coordination**
  - Get in and out of a truck
  - Swim the length of a pool
  - Perform a ballet dance
- **Gross Body Equilibrium**
  - Stand on a ladder
  - Walk on ice across a pond
  - Walk on narrow beams in high-rise construction
- **Hearing Sensitivity**
  - Notice when a watch alarm goes off
  - Diagnose what's wrong with a car engine from its sound
  - Tune an orchestra
- **Inductive Reasoning**
  - Decide what to wear based on the weather report
  - Determine the prime suspect based on crime scene evidence
  - Diagnose a disease using results of many different lab tests
- **Information Ordering**
  - Put things in numerical order
  - Follow the correct steps to make change
  - Assemble a nuclear warhead
- **Manual Dexterity**
  - Screw a light bulb into a light socket
  - Pack oranges in crates as quickly as possible
  - Perform open heart surgery with surgical instruments
- **Mathematical Reasoning**
  - Determine how much 10 oranges will cost when they are priced at 2 for 20 cents
  - Decide how to calculate profits to determine the amounts of yearly bonuses
  - Determine the mathematics required to simulate a space craft landing on the moon

- **Memorization**
  - Remember the number on your bus to be sure you get back on the right one
  - Recite the first names of the five people you just met
  - Recite the Gettysburg Address after studying it for 15 minutes
- **Multilimb Coordination**
  - Row a boat
  - Operate a forklift truck in a warehouse
  - Play the drum set in a jazz band
- **Near Vision**
  - Read dials on the dashboard of a car
  - Read the fine print of a legal document
  - Detect minor defects in a diamond
- **Night Vision**
  - Read street signs at dusk (just after sunset)
  - Take notes during a slide presentation
  - Find your way through the woods on a moonless night
- **Number Facility**
  - Add 2 and 7
  - Balance a checkbook
  - Compute the interest payment that should be generated from an investment
- **Oral Comprehension**
  - Understand a television commercial
  - Understand a coach's oral instructions for a sport
  - Understand a lecture on advanced physics
- **Oral Expression**
  - Cancel newspaper delivery by phone
  - Give instructions to a lost motorist
  - Explain advanced principles of genetics to college freshmen
- **Originality**
  - Use a credit card to open a locked door
  - Redesign job tasks to be interesting for employees
  - Invent a new type of man-made fiber
- **Perceptual Speed**
  - Sort mail according to ZIP codes with no time pressure
  - Read five temperature gauges in 10 seconds to make sure each temperature is within safe limits
  - Inspect electrical parts for defects as they flow by on a fast-moving assembly line
- **Peripheral Vision**
  - Keep in step while marching in a military formation
  - Be aware of the location of your teammates while dribbling a basketball
  - Distinguish friendly from enemy planes during air combat
- **Problem Sensitivity**
  - Recognize that an unplugged lamp won't work
  - Recognize from the mood of prisoners that a prison riot is likely to occur
  - Recognize an illness at an early stage of a disease when there are only a few symptoms
- **Rate Control**
  - Ride a bicycle alongside a jogger

- Keep up with a car that changes speed
- Shoot a duck in flight
- **Reaction Time**
  - Start to slow down the car when a traffic light turns yellow
  - Throw a switch when a red warning light goes off
  - Hit the brake when a pedestrian steps in front of the car
- **Response Orientation**
  - When the doorbell and telephone ring at the same time, quickly select which to answer first
  - Hit either the automobile brake or gas pedal in a skid situation
  - In an out of control spacecraft, react quickly to restore control
- **Selective Attention**
  - Answer a business call with coworkers talking nearby
  - Monitor security TV screens for intruders throughout the night shift
  - Study a technical manual in a noisy boiler room
- **Sound Localization**
  - Listen to a stereo to determine which speaker is working
  - Find a ringing telephone in an unfamiliar apartment
  - Determining the direction of an emergency vehicle from the sound of the siren
- **Spatial Orientation**
  - Use the floor plan to locate a store in a mall
  - Find your way through a dark room without hitting anything
  - Navigate an ocean voyage using only the positions of the sun and stars
- **Speech Clarity**
  - Call numbers in a bingo game
  - Make announcements over the loudspeaker at a sports event
  - Give a lecture to a large audience
- **Speech Recognition**
  - Recognize the voice of a coworker
  - Identify a former customer's voice over the telephone
  - Understand a speech presented by someone with a strange accent
- **Speed of Closure**
  - Recognize a song after hearing only the first few notes
  - Make sense out of strange handwriting
  - Interpret patterns on weather radar to decide if the weather is changing
- **Speed of Limb Movement**
  - Saw through a thin piece of wood
  - Swat a fly with a fly swatter
  - Throw punches in a boxing match
- **Stamina**
  - Walk 1/4 mile
  - Climb 6 flights of stairs
  - Run 10 miles
- **Static Strength**
  - Push an empty shopping cart
  - Pull a 40-pound sack of fertilizer across the lawn
  - Lift 75-pound bags of cement onto a truck

- **Time Sharing**
  - Listen to music while filing papers
  - Watch street signs while driving at 30 miles an hour
  - Monitor radar and radio transmissions to keep track of aircraft during periods of heavy traffic
- **Trunk Strength**
  - Sit up in an office chair
  - Shovel snow for half an hour
  - Do 100 sit-ups
- **Visual Color Discrimination**
  - Separate laundry into colors and whites
  - Trace electrical circuits marked by various colored wires
  - Paint a color portrait of a live person
- **Visualization**
  - Imagine how to put paper in a typewriter so that the letterhead comes out on top
  - Follow a diagram to assemble a metal storage cabinet
  - Anticipate opponent's as well as your own future moves in a chess game
- **Wrist-Finger Speed**
  - Use a manual pencil sharpener
  - Carve roast beef in a cafeteria
  - Type a document at 90 words per minute
- **Written Comprehension**
  - Understand signs on the highway
  - Understand an apartment lease
  - Understand an instruction book on repairing missile guidance systems
- **Written Expression**
  - Write a note to remind someone to take food out of the freezer
  - Write a job recommendation for a subordinate
  - Write an advanced economics textbook