**AP Psychology**

**Van Over**

**Unit XI: Testing and Individual Differences**

**DIRECTIONS: For extra credit you should complete the following areas using appropriate detail. Complete sentences are not required and bullet notes are acceptable. However, it is important that your work reflect that you’re paying attention to detail in order to qualify for the extra credit.**

**Module 60: Introduction to intelligence**

**Intelligence**

**Intelligence Test**

One Ability or Several Abilities??

Charles Spearman and **General Intelligence** (“g”)

Why is Spearman’s single intelligence score controversial?

Factor Analysis

L.L. Turstone

Satoshi Kanazawa

Theories of Multiple Intelligence

Howard Gardner

**Savant Syndrome**

* What disorder to many people with Savant Syndrome also have?

Kim Peak (Rain Man)

Summarize Gardner’s **Multiple Intelligences Theory**

**What are each of the Multiple Intelligences?**

“Grit”

Sternberg’s Three Intelligences

Who is Robert Sternberg?

Analytical Intelligence

Creative Intelligence

Practical intelligence

Emotional Intelligence—Defined:

Social intelligence

Emotional intelligence’s four components

Is Intelligence neurologically measurable?

Brain size and complexity

Brain function

Table 60.1 Comparing Theories of Intelligence

|  |  |  |  |
| --- | --- | --- | --- |
| Theory | Summary | Strengths | Other Considerations |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Module 61: Assessing Intelligence**

The origins of Intelligence Testing

Francis Galton

Alfred Binet:

Mental age

Lewis Terman

Stanford-Binet Test

Intelligence Quotient

Modern Tests

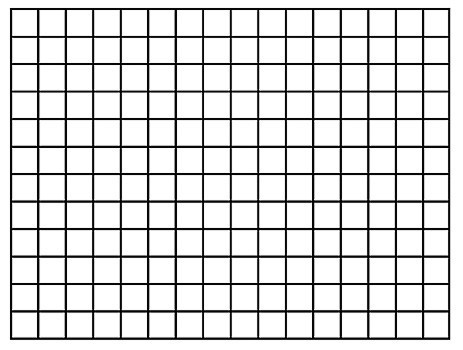
Achievement tests

Aptitude tests

Summarize the difference between Aptitude and Achievement Tests:

Wechsler Adult Intelligence Scale (WAIS)

Figure 61.1 Copy the figure and explain it in the space below



Explanation of Figure 61.1

Principles of Test construction

Standardization

Normal curve

Flynn effect

Figure 61.2 Copy the figure and explain it in the space below

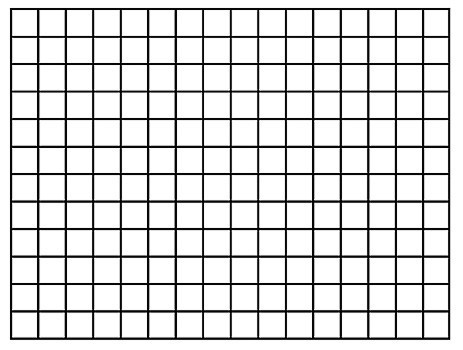
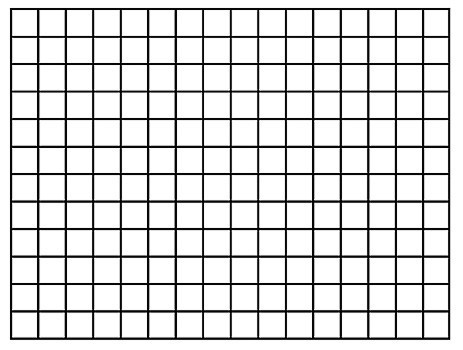


Figure 61.3

Copy the figure and explain it in the space below



Reliability—Define This:

Test retest reliability—What is this? How does it fit in with intelligence testing?

Split half scores-- What is this? How does it fit in with intelligence testing?

Validity—Define This:

Content validity—What is this? How does it fit in with intelligence testing?

Predictive validity—What is this? How does it fit in with intelligence testing?

**Module 62: Dynamics of Intelligence**

Aging and Intelligence

Cross sectional evidence

Longitudinal evidence

Crystallized intelligence

Fluid intelligence

Figure 62.1 Copy the figure and explain it in the space below

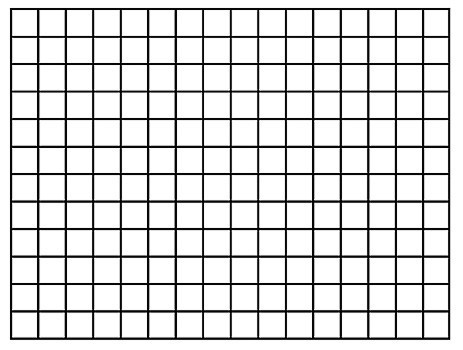
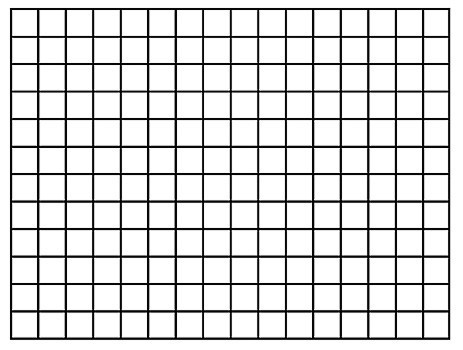


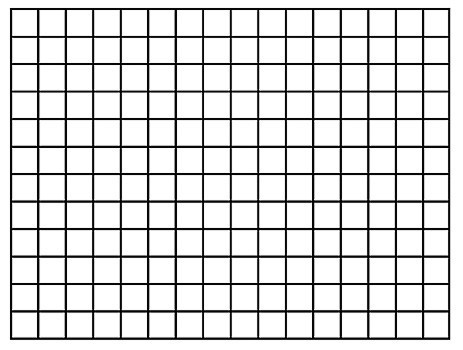
Figure 62.2 Copy the figure and explain it in the space below



Stability of Intelligence over the life span

Life spans of more intelligent people

Figure 62.4 Copy the figure and explain it in the space below



Extremes of Intelligence

The low extreme

Intellectual Disability

Criterion for intellectual disability (What criteria is necessary to be considered intellectually disabled):

Down Syndrome

The high extreme

Talented and gifted

**Module 63: Studying genetic and environmental influences on intelligence**

Twin and Adoption Studies: What have these demonstrated?

Heritability

Figure 63.1 Copy the figure and explain it in the space below

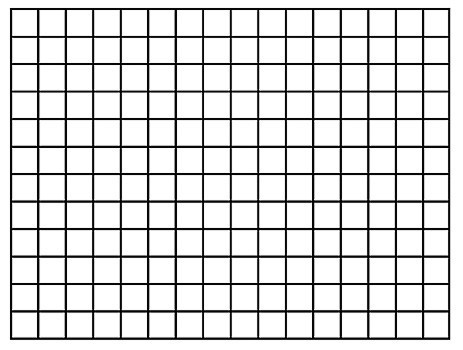
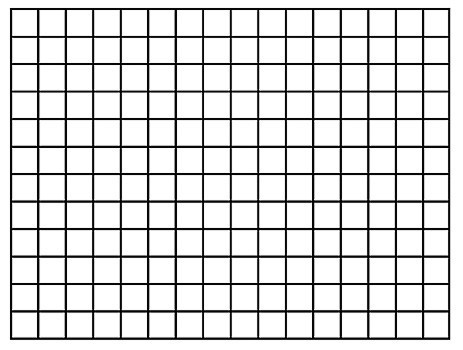


Figure 63.2 Copy the figure and explain it in the space below



Environmental Influences

Early environmental influences

Tutored Human Enrichment (What does this mean and how does it work?)

Baby Einstein

Schooling and Intelligence

Head Start programs

Growth Mindset (Dweck)

**Module 64: Group Differences and the Question of Bias**

Group Differences in Intelligence test scores: (What are the differences, and why?)

Racial and Ethnic Similarities and Differences

Considerations in environmental differences accounting for race differences (six)

The Question of Bias

Two meanings of bias

Test Takers Expectations

Spencer 1997

Stereotype Threat

Obama Effect

Steele 1995