

# Arizona Educator Proficiency Assessments® (AEPA®)

## BASIC SKILLS TEST OBJECTIVES

<b>Subtest</b>	<b>Range of Objectives</b>
96 Reading Comprehension	1–6
97 Writing	7–15
98 Mathematics	16–25

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# Arizona Educator Proficiency Assessments® (AEPA®)

## Test Objectives Basic Skills

### Subtests:

Reading Comprehension (96)

Writing (97)

Mathematics (98)

### READING COMPREHENSION (96)

#### 0001 Determine the meaning of words and phrases.

For example:

- using the context of a passage to determine the meaning of words with multiple meanings, unfamiliar and uncommon words and phrases, and figurative expressions

#### 0002 Understand the main idea and supporting details in written material.

For example:

- identifying explicit and implicit main ideas
- recognizing ideas that support, illustrate, or elaborate the main idea of a passage

#### 0003 Identify a writer's purpose, point of view, and intended meaning.

For example:

- recognizing a writer's expressed or implied purpose for writing
- evaluating the appropriateness of written material for various purposes or audiences
- recognizing the likely effect of a writer's choice of words on an audience
- using the content, word choice, and phrasing of a passage to determine a writer's opinion or point of view

**TEST OBJECTIVES  
BASIC SKILLS**

**0004 Analyze the relationship among ideas in written material.**

For example:

- identifying the sequence of events or steps
- identifying cause-effect relationships
- comparing and contrasting ideas
- identifying solutions to problems
- drawing conclusions inductively and deductively from information stated or implied in a passage

**0005 Use critical reasoning skills to evaluate written material.**

For example:

- evaluating the stated or implied assumptions on which the validity of a writer's argument depends
- judging the relevance or importance of facts, examples, or graphic data to a writer's argument
- evaluating the logic or persuasiveness of a writer's argument
- evaluating the validity of analogies
- distinguishing between fact and opinion
- assessing the credibility, objectivity/subjectivity, or bias of the writer or source of written material

**0006 Apply study skills to reading assignments.**

For example:

- organizing and summarizing information for study purposes
- following written instructions or directions
- interpreting information presented in charts, graphs, or tables

**WRITING (97)**

**0007 Recognize and apply the standard use of verbs.**

For example:

- recognizing standard subject-verb agreement (number and person)
- using standard verb tense
- identifying consistency of tense (e.g., verb endings)

**TEST OBJECTIVES  
BASIC SKILLS**

**0008 Recognize and apply the standard use of pronouns.**

For example:

- recognizing standard pronoun-antecedent agreement (number, gender)
- using standard pronoun case
- identifying standard use of possessive, relative, and demonstrative pronouns

**0009 Recognize and apply the standard use of modifiers (e.g., adverbs, adjectives, prepositional phrases).**

For example:

- recognizing standard use of adjectives and adverbs
- applying standard use of the comparative and superlative forms
- identifying standard placement of modifiers in sentences (including negative modifiers and prepositional phrases)

**0010 Understand how language varies according to the context in which it occurs.**

For example:

- recognizing the appropriate use of standard English and formal and informal language in various situations

**0011 Identify standard sentence structure (e.g., sentence fragments, run-on sentences).**

For example:

- recognizing sentence fragments, run-on sentences, and complete sentences

**0012 Identify the standard use of punctuation.**

For example:

- recognizing instances in which necessary punctuation has been omitted and identifying instances in which incorrect or extraneous punctuation has been used

**0013 Identify the standard use of capitalization.**

For example:

- recognizing standard initial capitalization and capitalization of proper words and titles

## **TEST OBJECTIVES BASIC SKILLS**

### **0014 Identify the use of standard spelling.**

For example:

- recognizing the standard spelling of commonly encountered words and education-related words (presented in context)

### **0015 Demonstrate the ability to prepare a developed composition on a given topic using language and style appropriate to a given audience, purpose, and occasion.**

For example:

- composing a coherent, focused, and sustained composition on a given topic
- using language and style appropriate to a specified audience, purpose, and occasion
- stating and maintaining a clear thesis statement
- using organizational strategies to enhance meaning and clarity
- providing reasoned support and specific examples to develop the thesis of the composition
- using effective grammar, sentence structure, and word choice
- applying spelling, capitalization, and punctuation according to the conventions of Standard American English

## **MATHEMATICS (98)**

### **0016 Use number concepts and computation skills.**

For example:

- adding, subtracting, multiplying, and dividing fractions, decimals, and integers
- using the order of operations to solve problems
- solving problems involving percents
- performing calculations using exponents and scientific notation
- estimating solutions to problems
- using the concepts of "less than" and "greater than"

**TEST OBJECTIVES  
BASIC SKILLS**

**0017 Solve word problems involving integers, fractions, or decimals (including percents, ratios, and proportions).**

For example:

- determining the appropriate operations to solve word problems
- solving word problems involving integers, fractions, decimals, percents, ratios, and proportions

**0018 Interpret information from a graph, table, or chart.**

For example:

- interpreting information in line graphs, bar graphs, pie graphs, pictographs, tables, charts, or graphs of functions

**0019 Understand basic principles of probability and statistics.**

For example:

- finding the probability of occurrence of a simple event
- finding the mean, median, mode, or range of a given set of data
- organizing collections of data into frequency charts, scatter plots, and histograms
- drawing inferences based on a statistical summary of data

**0020 Graph numbers or number relationships.**

For example:

- identifying points from their coordinates, the coordinates of points, or graphs of sets of ordered pairs
- identifying the graphs of equations or inequalities
- finding the slopes and intercepts of lines
- recognizing direct and inverse variation presented graphically

**0021 Solve one- and two-variable equations.**

For example:

- finding the value of the unknown in one-variable equations
- expressing one variable in terms of a second variable in two-variable equations
- solving a system of two linear equations in two variables

**TEST OBJECTIVES  
BASIC SKILLS**

**0022 Solve word problems involving one and two variables.**

For example:

- solving word problems that can be translated into one-variable linear equations or systems of two-variable linear equations
- identifying the equation or equations that correctly represent the mathematical relationship(s) in word problems

**0023 Understand operations with algebraic expressions.**

For example:

- factoring quadratics and polynomials
- adding, subtracting, and multiplying polynomial expressions
- performing basic operations on and simplifying rational expressions

**0024 Solve problems involving geometric figures.**

For example:

- identifying the appropriate formula for solving geometric problems
- solving problems involving two- and three-dimensional geometric figures
- solving problems involving right triangles using the Pythagorean theorem

**0025 Apply reasoning skills.**

For example:

- using algorithmic logic
- drawing conclusions using the principles of similarity, congruence, parallelism, and perpendicularity
- using inductive and deductive reasoning