

TESTING FOR STUDENTS WHOSE NATIVE LANGUAGE IS NOT ENGLISH

Students whose primary language is not English should take the special English placement test, rather than Accuplacer.

Description of the ESOL Test

This test has a multiple-choice format and consists of choosing the correct word to fit in a reading passage. Grammar example items are listed below. It is a timed paper-and-pencil test. The test requires students to recognize an appropriate grammatical form and/or specific vocabulary for each situation.

Example Items

A) Mary and Joe 1. a. live
b. lived
c. liked
d. lives on Main Street when they first came to this town.

After 2 a. her
b. their
c. they
d. there first child was born, they wanted to move to a larger house.

B) John is a student. 1. a. He
b. He's
c. She
d. Him studies English. He 2. a. is
b. go
c. likes
d. happy his class.

His teacher is very 3. a. work.
b. school.
c. good.
d. day.

C) My teacher thinks that I do not spend enough time on homework. Yesterday she 1. a. suggested
b. said
c. told
d. ordered me that I 2. a. must
b. should
c. might
d. need to study more.

In addition to this paper test, students will talk with an ESOL Program faculty member in order to evaluate speaking and listening skills. Also important is a writing sample. Students will write approximately one page on a given topic. There is no time limit for this part, but dictionaries cannot be used.

The best preparation for the English placement test is using English. Practice in speaking, reading and writing will help the most. Study of vocabulary and grammar in context may also be helpful. Useful materials are textbooks, newspapers and magazines, such as *Readers Digest*.

Testing for limited English proficient students is by appointment only. Please call 292-3330 to make an appointment.

Mathematics Test

Non-native English speakers will also take the Accuplacer mathematics test unless it has been waived by the Admissions Office. The following gives information about this test and how to prepare for it.

Referral Sources for Mathematics Preparation (available at most libraries and bookstores)

Arithmetic Review

Essential Mathematics: Basic Math for Everyday Use, Williams and Atkins, Barron's.

Contemporary's Building Basic Skills in Mathematics, Contemporary Books.

GED Review Book.

SAT I Review Books (publishers include Arco, Kaplan, Nova and Barron's).

Algebra Review

Forgotten Algebra, Bleau, Barron's.

Quick Algebra Review: A Self-Teaching Guide, Selby and Slavin, Wiley.

SAT I Review Books (publishers include Arco, Kaplan, Nova and Barron's).

Arithmetic Example Items

The Arithmetic test (17 questions) measures your skills in three primary categories:

- *Operations with whole numbers and fractions.* This includes addition, subtraction, multiplication, division, and recognizing equivalent fractions and mixed numbers.
- *Operations with decimals and percents.* This category includes addition, subtraction, multiplication, and division as well as percent problems, decimal recognition, fraction and percent equivalencies, and estimation problems.
- *Applications and problem-solving.* Questions include rate, percent, and measurement problems, geometry problems, and distribution of a quantity into its fractional parts.

Solve the following problems and select your answer from the alternatives given. You may use the paper you have been given for scratch paper.

- 1) A soccer team played 160 games and won 65 percent of them. How many games did they win?
 - A. 94
 - B. 104
 - C. 114
 - D. 124

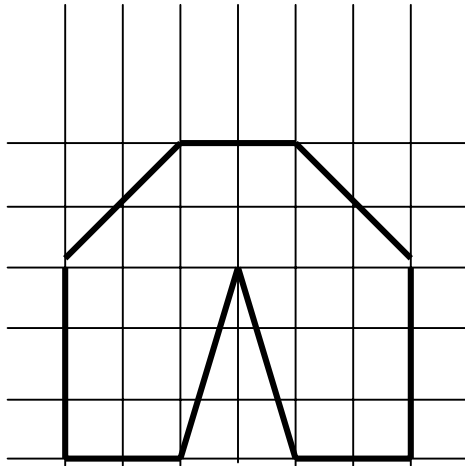
- 2) *The Number of Employees of Company K Who Were Involved in Accidents*

	Plant X	Plant Y
Mechanic	11	30
Power Machine Operators	9	12

The table above show the results of an industrial health survey of 10,000 people employed at Company K for more than five years. If 2,500 employees were surveyed in each of the four categories, which group of employees had the highest accident rate?

- A. Mechanics in Plant X
 B. Mechanics in Plant Y
 C. Power Machine Operators in Plant X
 D. Power Machine Operators in Plant Y
- 3) $7.86 \times 4.6 =$
- A. 36.156
 B. 36.216
 C. 351.56
 D. 361.56
- 4) $\frac{7}{20} =$
- A. 0.035
 B. 2.858
 C. 0.35
 D. 3.5
- 5) Which of the following is the least?
- A. 0.105
 B. 0.501
 C. 0.015
 D. 0.15
- 6) The average weight for a group of 20 women is 130 pounds. If the average weight for $\frac{3}{4}$ of these women was 140 pounds, what was the average weight, in pounds, for the rest of the women?
- A. 100
 B. 110
 C. 120
 D. 135

7)



If each of the small squares above represents one square unit, what is the area, in square units, of the figure?

- A. 23
- B. 28
- C. 22
- D. 18

Elementary Algebra Example Items

There are three categories of questions on the Elementary Algebra test (12 questions).

- The first category, operations with integers and rational numbers, includes computation with integers and negative rationals, the use of absolute values, and ordering.
- The second category is operations with algebraic expressions. It tests your skills in evaluating simple formulas and expressions, and in adding and subtracting monomials and polynomials.

Both of the preceding categories include questions about multiplying and dividing monomials and polynomials, evaluating positive rational roots and exponents, simplifying algebraic fractions, and factoring.

- The third category tests skill in solving equations, inequalities, and word problems. These questions include solving systems of linear equations, quadratic equations by factoring, verbal problems presented in algebraic context, geometric reasoning, the translation of written phrases into algebraic expressions, and graphing.

NOTE: *If you score high on the Arithmetic test, you will automatically be given the Elementary Algebra test.*

Solve the following problems and choose your answer from the alternatives given. You may use the paper you have been given for scratch paper.

- 1) If A represents the number of apples purchased at 15 cents each and B represents the number of bananas purchased at 10 cents each, which of the following represents the total value of the purchases?

- A. $A + B$
- B. $25(A + B)$
- C. $10A + 15B$
- D. $15A + 10B$

- 2) $\sqrt{2} \cdot \sqrt{15} =$

- A. 17
- B. 30
- C. 30
- D. 17

3) The Greens scored twice as many points as the Yellows. If the Greens scored 28 points, how many points did the Yellows score?

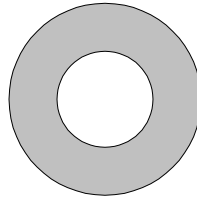
A. $\frac{N}{2}$

B. $N \div 2 = 28$

C. $2N = 28$

D. $N = 28 \times 2$

4) In the figure below, both circles have the same center, and the radius of the larger circle is R. IF the radius of the smaller circle is three units less than R, which of the following represents the area of the shaded region?



A. πR^2

B. $\pi(R-3)^2$

C. $\pi R^2 - \pi \cdot 3^2$

D. $\pi R^2 - \pi(R-3)^2$

5) $(3x - 2y)^2 =$

A. $9x^2 - 4y^2$

B. $9x^2 + 4y^2$

C. $9x^2 + 4y^2 - 6xy$

D. $9x^2 + 4y^2 - 12xy$

ANSWERS TO SAMPLE QUESTIONS

Answers to ESOL Example Items:

- A. 1. b
2. b

- B. 1. a
2. c
3. c

- C. 1. c
2. d

Answers to Arithmetic Example Items:

1. B
2. B
3. A
4. C
5. C
6. A
7. A

Answers to Elementary Algebra Example Items:

1. D
2. C
3. C
4. D
5. D