



NEFERTARI INTERNATIONAL SCHOOLS IN CAIRO
AMERICAN DIVISION
ADMISSION ASSESSMENT OUTLINE
GRADE SEVEN

MATHEMATICS

Numbers

- Compare and order rational numbers
- Add, subtract, multiply and divide fractions and mixed numbers
- Add, subtract, multiply and divide decimals
- Find common factors and common multiples
- Use ratio rates, percentages in solving real life problems

Algebra

- Evaluate numerical expressions involving exponents
- Solve equations and inequalities with one variable

Measures

- Find perimeter and area of 2-D shapes (square, triangle, rectangle, parallelogram and trapezium)
- Calculate surface area and volume of triangular prism

Statistics

- Display data on line plots
- Make histograms and frequency tables
- Find Averages of a set of data (mean, Median, mode and range)

Geometry

- Graph rational numbers, polygons on coordinate plane, find distance on the coordinate plane



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ENGLISH

Test Sections:

1. Reading Comprehension
2. Vocabulary
3. Language Arts/ Mechanics (Grammar & Usage)
4. Writing

Reading

- *Determine central ideas and cite evidence in informational texts
- *Identify the theme, text structure, author's purpose, tone, and mood
- *Analyze the text and identify the figure of speech

Vocabulary

- *Word Groups: Academic vocabulary (e.g., analyze, infer, justify)
- *Analogies: Logical reasoning required (tool:use, cause:effect)
- *Context Clues: Analyze tone, multiple-meaning words
- *Roots/Prefixes/Suffixes

Language Arts/ Mechanics

- *Active/passive voice
- *Use of clauses and phrases for variety
- *Subject-verb agreement
- *Proper punctuation with dialogue and citations



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Writing

- *Write clear arguments and narrative texts
- *Support claims with logical reasoning
- *Use formal tone and domain-specific vocabulary
- *Use vivid and precise vocabulary appropriate to the essay type

Tips for Preparing Students

- *Practice analogies daily (turn them into games!)
- *Use flashcards for roots and affixes
- *Model using context clues while reading aloud
- *Focus writing practice on organizing ideas clearly
- *Provide tiered vocabulary lists by subject (academic vs. everyday use)
- *Emphasize grammar within the writing process, not just in isolation