Entrance Exam Preparation - Seventh Grade

Expected time for testing: 2 hours (Higher-level math students may take longer)

Subject	Assessment Content	Approx. Time	
Math	Mastery of Math Facts test:	10 minutes	
	Addition, subtraction, multiplication & division (two minutes for each test)		
	Math Concepts test:	20 – 30 minutes (depending on	
	Four-digit addition and subtraction, decimals, long-division, fractions, rounding, algebra, geometry, square root, Pythagorean Theorem	level being assessed)	
Reading & Comprehension	Reading and comprehension (3 tests, 3 minutes per story):	10 minutes	
	Read 3 short stories and answer questions in multiple-choice format		
Spelling	Spelling test	10 minutes	
Grammar	Identifying parts of speech: verb, noun, pronoun, adverb, adjective, conjunction, preposition, possessives, articles; Dissecting sentences: identify subjects, verbs and modifiers; Showing understanding of capitalization, punctuation and use of synonyms, antonyms, and homonyms		
Writing	Composition:	10 minutes	
	Student is required to write a paragraph or more in cursive on a topic of his/her choice.		



Intake Academic Assessment Summary

Student Name	Age	Grade	Level (Current)	Date		
Teacher Conducting Assess	ment	Administration Review				
Subject Assessed	Time Allocation	Score	N	otes		
Math Facts						
Addition						
Subtraction						
Multiplication						
Division						
Math Concepts						
Reading Comprehension						
Word Decoding						
Spelling						
Orthography						
Composition						
Recommendations:						
Recommendations.						

Note to Parents: The results of this Intake Academic Assessment are based upon performance standards and expectations of American Heritage School students for the age or grade level indicated above. This assessment is intended to measure current performance only and is used as one of various considerations in the School's intake process to make admission and grade level placement decisions. Thank you for your interest in American Heritage School. Our mission is to serve you in developing the hearts, minds, and bodies of your children as we strive together to magnify the divine potential of students and families.

1. Divide 900 by 24 and write the quotient as a decimal number.

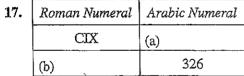
2. $4\frac{1}{4} - \left(2\frac{1}{2} + 1\frac{2}{3}\right)$

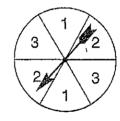
3. $3\frac{1}{3} \times \left(5 \div 1\frac{2}{3}\right)$

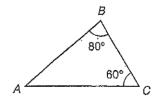
- 4. $(0.4 + 0.25) (0.4 \times 0.25)$
- 5. $0.2 \div (1 \div 0.2)$
- 6. Complete the proportion: $\frac{15}{y} = \frac{9}{15}$
- $7. \sqrt{100} + 10^2$
- 8. What is the area of the circle? (Use $\pi = 3.14$.)
- 9. What is the circumference of the circle? (Use $\pi = 3.14$.)



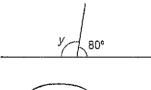
- 10. What is the value of y in y = ab + c when a = 3, b = 4, and c = 5?
- 11. What is the probability that the spinner will stop on 2?
- 12. How much money is 4% of \$300?
- 13. Forty is 50% of what number?
- **14.** (a) -8 + 4 (b) -8 (-4)
- **15.** (a) (-8)(4) (b) $-8 \div (-4)$
- 16. What is the measure of angle A in triangle ABC?







- 18. What is the measure of angle y?
- 19. If each edge of a cube is 5 cm long, then what is the surface area of the cube?
- 20. What is the volume of the cylinder? (Use $\pi = 3.14$.)



The city of Venice in Italy is built on thousands of tiny islands. They are connected by a network of bridges. Because all the streets are water, all the vehicles in Venice are boats. The Grand Canal, the main thoroughfare, is as wide as a highway and full of floating traffic. The Ponte di Rialto spans across it. Along this ancient bridge are shops. Merchants have sold trinkets and treasures here for hundreds of years. Another bridge, built between a courthouse and a jail, is called the Bridge of Sighs. Here, prisoners condemned to death caught their last glimpse of their beautiful city.

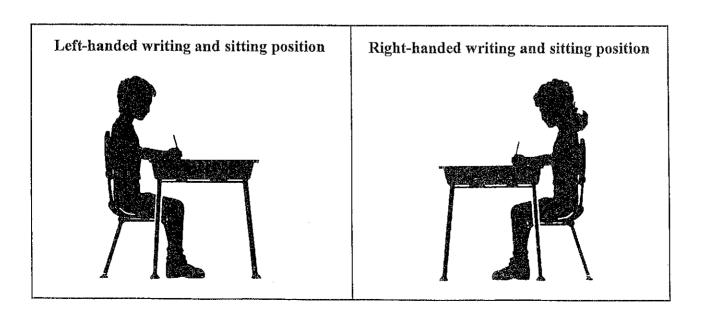


- 1. Venice is (a) an Italian island (b) a network of highways (c) an inland city (d) built on thousands of islands
- **3.** The main waterway in the city is (a) never crowded (b) wide and busy (c) called the Ponte di Rialto (d) full of treasures
- 5. On the Ponte di Rialto, you can buy & boats ® pizza © trinkets ® signs
- 7. It's called the Bridge of Sighs because ® of the sorrow of those who crossed it ® that's the sound the water makes © no one likes it © it is so old
- 8. To get to school, children in Venice probably ® span the canal ® take a school boat © go on the main thoroughfare ® go on the Ponte di Rialto

1. Improper and uncomfortable seating arrangements in classrooms probably cause a large number of inattention and hyperactivity problems. The chair should be *ergonomically* correct to support the child's back and general posture. Schools should give as much attention to the physical needs of children in a classroom as large corporations do for their employees. This is for productivity, comfort and safety.



- 2. Though sitting and lounging about on the floor, or in beanbag chairs, bathtubs, etc., has become quite popular in some classrooms, we do not think it affords the comfort or physical ease needed for accurate writing and spelling. The sketches below show correct seating for this method to work as prescribed.
- B. Prepare to teach letter strokes beginning in the next section.
 - 1. Have students clear all materials from the desk top except name tag, dotted-line paper and a No. 2, six-sided, black lead pencil.
 - 2. Desks are already adjusted for proper height for each student's feet to be flat on the floor, spines straight against the back rest, head held high and arm position as shown in the pictures below for left and right-handed students.
 - a. A student's head should not be allowed to fall forward because this causes strain on the back and neck muscles.
 - b. Both arms should rest comfortably on the desk; elbows should be just off the edge.
 - c. The body should not touch the front edge of the desk. This causes a tendency to lean on the desk, which places strain on the neck and shoulder muscles.



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