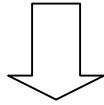


# Introduction

The following diagram will assist you in understanding the format of the ASD Standards for Mathematics.

Category  
(Labeled as 1.0, 2.0 or 3.0)



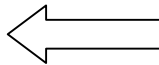
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## 4.1.0 Number Sense:

Students solve problems involving addition, subtraction, multiplication, and division of whole Numbers and understand the relationships among the operations. They know how to factor Small whole numbers. They understand place value to two decimal places and add and subtract Simple decimals. Students use the concepts of negative numbers.

## PA Standards

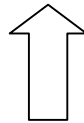
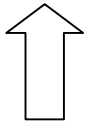
### *Operations:*



Strand (*italicized*)

4.1.11 Solve problems involving multiplication of multi-digit numbers by two-digit numbers.

2.2.5.A, H



ASD Standard Number

Grade 4  
Standard 1.11

ASD  
Standard

Correlation to  
the  
Pennsylvania  
Standard(s)

# ***ASD STANDARDS for READING, WRITING, SPEAKING and LISTENING Categories and Strands***

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## **READING**

### **1.0.R Word Analysis, Fluency and Systematic Vocabulary Development ← (Category)**

*Concepts About Print (K-1) ← (Strand)*

*Phonemic Awareness (K-1)*

*Decoding, Word Recognition and Fluency (K-3)*

*Word Recognition and Fluency (4-8)*

*Vocabulary and Concept Development (K-12)*

### **2.0.R Reading Comprehension**

*Structural Features of Informational Materials (K-12)*

*Comprehension and Analysis of Grade Level Appropriate Text (K-12)*

*Expository Critique (5-12)*

### **3.0.R Literary Response and Analysis**

*Structural Features of Literature (3-12)*

*Narrative Analysis of Grade Level Appropriate Text (K-12)*

*Literary Criticism (4-12)*

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## **WRITING**

### **1.0.W Writing Strategies**

*Focus, Content and Organization (K-12)*

*Style (1-12)*

*Penmanship (K-4)*

*Research and Technology (K-12)*

*Editing, Revising and Evaluating Strategies (2-12)*

### **2.0.W Writing Applications (Genres and Their Characteristics)**

### **3.0.W Oral and Written Language Conventions**

*Sentence Structure (K-8)*

*Grammar (1-8)*

*Grammar and Mechanics (9-10)*

*Punctuation (1-8)*

*Capitalization (1-8)*

*Manuscript Form (9-12)*

*Spelling (K-12)*

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## **SPEAKING & LISTENING**

### **1.0.S Speaking and Listening Strategies**

*Comprehension (K-12)*

*Group Work (3-12)*

*Organization and Delivery of Oral Communications (1-12)*

*Analysis and Evaluation of Oral and Media Communications (3-12)*

### **2.0.S Speaking Applications (Genres and Their Characteristics)**