


2009-2010 WAAS-Portfolio

Compiling High School Math Evidence



1 Compiling High School Math Evidence 2009-2010

2009-2010 WAAS-Portfolio
High School Math Evidence
Today's Topics

- New This Year
- Content Overview
- Training Model
- New HS math extensions will be implemented in 2010-2011. This implementation schedule parallels the general education timeline.

2 Compiling High School Math Evidence 2009-2010

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WAAS-Portfolio:
New This Year

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New for 2009-2010 WAAS-Portfolio

- Document Layout
- Extensions' Refinement
- Entry Cover Sheet
- ProFile™
- Data Collection Dates
- No Observation Checklist for 2009-2010

****USE ONLY 2009-2010 FORMS AND EXTENSIONS****

4

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Data Collection Dates

Data Collection for 2009-2010:

- First Data point: September –**December 18, 2009**
- Second Data point: December 19, 2009-**February 5, 2010**
- Third Data point: February 6, 2010-**March 12, 2010**

Shipping: One Day Pick-up, March 26, 2010

Important Reminder: NO empty binders will be shipped this year!

5

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NO Observation Checklists for 2009-2010

Observation Checklists **will not be accepted** as evidence and **will not be scored** in Spring of 2010.

6

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Content Overview

7 Compiling High School Math Evidence 2009-2010

2009-2010 High School Math Content Overview

- 1.2.1 Volume and Area of Rectangles
- 1.3.3 Ordered Pairs on a Coordinate Plane
- 1.5.1 Linear Patterns

8 Compiling High School Math Evidence 2009-2010

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GLE 1.2.1

9 Compiling High School Math Evidence 2009-2010

High School Math 1.2.1

Essential Question:

How is the volume of a rectangular prism or the area of a rectangle computed?

Extensions for High School Math 1.2.1

HS.a) Compute **and** compare the volume of two rectangular prisms.

HS.b) Compute **and** compare the area of two rectangles.

HS.c) Compare the volume of two rectangular prisms.

HS.d) Compare the area of two rectangles.

10 Compiling High School Math Evidence 2009-2010

High School Math 1.2.1 Clarifications

Compute: To determine the amount or number

Compare: To examine to make note of similarities and differences

Rectangle: A quadrilateral with four right angles

Rectangular prisms: A solid 3-dimensional object which has six faces (flat surfaces) that are rectangles

Volume: The amount of space, measured in cubic units, that an object or substances occupies

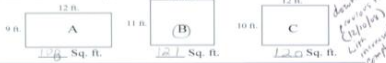
14 Compiling High School Math Evidence 2009-2010

Working with Area

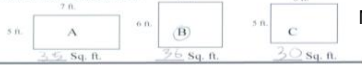
Quiz: compare 3 rooms

Directions: You are comparing the rooms in three different apartments. Answer the question for each set of rooms below. You may use your calculator. Circle the letter of the room for your answer.

1. Which bedroom is the largest?

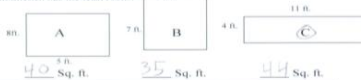


2. Which bathroom is the smallest?



Math 1.2.1- HS .b

3. Which kitchen has the least room?



4. Which living room will fit the most people?



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Evidence

GLE 1.3.3

13 Compiling High School Math Evidence 2009-2010

High School Math 1.3.3

Essential Question:
How do coordinates and coordinate grids apply in real world situations?

Extensions for High School Math 1.3.3

HS.a) Plot the route traveled on a **map** when given 3 ordered pairs.

HS.b) State 3 ordered pairs when given specific places on a **map**.

HS.c) Choose 3 ordered pairs when given specific places on a **map**.

HS.d) Identify 3 specific places on a **map** when given ordered pairs.

14

High School Math 1.3.3
Clarifications

Each piece of student evidence must include a **map** with a coordinate grid.

Coordinate grid :A pattern of regularly spaced horizontal and vertical lines on a plane that can be used to locate points on a **map**.

Ordered pairs: Two numbers used to locate points on a coordinate grid **map**.

15 Compiling High School Math Evidence 2009-2010

City center accommodation
 Metroline
 Coach station
 Walkway/covered area
 MOP car park
 Manchester Visitor Information Centre
 Disabled parking for disabled drivers
 Call 0161 222 8222 for more information
 Greenway spaces
 Scales
 Post Office

Math 1.3.3-HS.a)
 Plot the route traveled on a map when given three ordered pairs.

Move from C, 5 to E, 1 to F, 5
 Where do you end up?
 By the yellow station.

16 Compiling High School Math Evidence 2009-2010

Using a Grid Hawaiian Islands
 Directions: Grids help people locate places easily. Use the numbers and letters on the map grid to locate the given places on the map below.

Locate the following specific places on the Hawaiian Islands map coordinate grids using the given ordered pairs:

- W 43 A 3 Sand Island
- W 27 B 4 Red Island
- W 37 D 4 Blue Mountains
- W 47 D 5 Brown River
- W 45 E 2 Kretz Beach
- W 45 B 1 Oakville
- + 1 7 C 3 River Port
- + 1 8 C 4 Carlaville
- W 9 D 3 & D 4 Blue Stone
- W 45 B 2 & B 3 Piny Woods

Math 1.3.3-HS.d
 Identify 3 specific places on a map when given ordered pairs.

17 Compiling High School Math Evidence 2009-2010

2009-2010 High School Math Evidence

GLE 1.5.1

18 Compiling High School Math Evidence 2009-2010

High School Math 1.5.1

Essential Question

How are linear functions used?

Extensions for High School Math 1.5.1

HS.a) State the equation to a linear pattern.

HS.b) Graph a linear pattern.

HS.c) Extend a linear pattern.

19

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Linear Equation Math 1.5.1 - HS.c

Extend a linear pattern.

• Chairs



• Legs

• 4



• ?



• ?



• ?

20

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Math 1.5.1 HS.c

Important Note: Each piece of student evidence must include at least 3 missing variables.

- Every worksheet with a linear pattern must have two variables increasing at a constant rate. For example on the previous slide the chair legs increase as the number of chairs increases.
- Students fill in the missing variables.
- Another example might be the following;

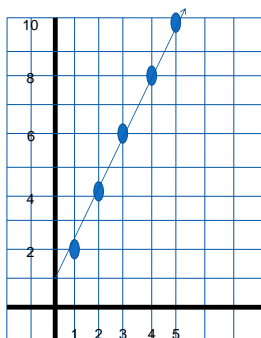
Input	Output
5	10
10	20
? (15)	? (30)
20	? (40)

21

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M 1.5.1-HS.b
Graph a linear Pattern

Input	Output
1	2
2	4
3	6
4	8
5	10



22

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2009-2010

**WAAS-Portfolio
Training Model**

23

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2009-2010 WAAS-Portfolio Training Videos

- ✓ Session 1: Portfolio Process and Procedures
- ✓ Session 2: Compiling Reading Evidence
- ✓ Session 3: Compiling Writing Evidence
- ✓ Session 4: Compiling Math Evidence: Grades 3 – 8
- ✓ Session 5: Compiling Math Evidence: HS ONLY
- Session 6: Compiling Science Evidence

24

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