




AVMS PARENT STUDENT MATH MEETING

- HOPE ACADEMY
 - HELPING OUR PARENTS EXCEL (HOPE)
 - MR. GRANT DEWEY – MATH TEACHER
 - MS. ASPEN SMITH – MATH PARAPROFESSIONAL
 - MR. RANDY THOMAS – SCHOOL FACILITATOR
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OVERVIEW

- MATH FOLDER CONTENT
- GRADING
- 7TH GRADE MATH COMPONENTS
- 8TH GRADE MATH COMPONENTS
- MATH AND SRL
- MATH HOMEWORK

MATH - FOLDERS

- STAR – TEST RESULTS (COLORFUL SPECTRUM)
- STAR – SKILLS REVIEW AND NEEDS
- OTHER MATH ASSESSMENTS
 - MULTIPLICATION (TIME AND ERRORS)
 - COMPUTATION (HOMEWORK)
 - LEVEL
 - PERCENT COMPLETED AND TURNED IN
- GUIDE: HOW TO READ MATH TEXTBOOKS EFFECTIVELY

STAR MATH DIAGNOSTIC REPORT



Student Diagnostic Report Enterprise Test

1 of 1

Printed Monday, September 26, 2016 9:04:52 PM

School: Aspen Valley Campus

Test Date: August 16, 2016 1:17 PM

Test Time: 26 minutes 25 seconds

Report Options

Use Trend Score: Use trend score for student's suggested skills

ID: [REDACTED]
Grade: [REDACTED]

Class: [REDACTED] Grade Math
Teacher: G. Dewey

District Benchmark - Grade 7



STAR Math Scores

SS: 785 (Scaled Score)

At Benchmark

[REDACTED] Scaled Score is based on the difficulty of questions and the number of correct responses.

PR: 59 (Percentile Rank)

[REDACTED] scored greater than 59% of students nationally in the same grade.

Domain Scores

Number Sense, Properties and Operations
Ratios and Proportional Relationships: 50
The Number System: 61
Patterns, Functions and Algebraic Structures
Expressions and Equations: 49
Data Analysis, Statistics and Probability
Statistics and Probability: 13
Shape, Dimension, and Geometric Relationships
Geometry: 39

Domain scores, ranging from 0-100, estimate [REDACTED] percent of mastery on skills in each domain at a seventh grade level.

Algebra Readiness

[REDACTED] not yet meeting grade level expectations for algebra readiness.

Math Recommendation

Accelerated Math™ Library: Grade 7

If you are using the Accelerated Math™ management software system with Katie, assign the Grade 7 library. This

MATH - ASSESSMENT CATEGORIES FOR GRADING

- **CLASSWORK / EFFORT** – WORK TO BE DONE BY STUDENT TO PRACTICE A LESSON TAUGHT IN CLASS (50%)
- **TESTS / QUIZZES** – ASSESSMENTS DONE BY STUDENT TO MEASURE CURRENT UNDERSTANDING (30%)
- **MATH IN MY WORLD (MMW) PROJECTS** – ACTIVITIES AND APPLICATIONS OF MATH CONCEPTS IN PRACTICAL LIFE SITUATIONS. (20%)

MATHEMATICS - 7TH GRADE

- PURPOSE: BUILD FOUNDATIONAL MATH SKILLS FOR LIFE (99% OF CAREERS)
- PRIMARY MATH PROPERTIES (RULES OF THE GAME, THE INTERNATIONAL LANGUAGE)
- BASIC FOUR OPERATIONS (+, -, X, /) WITH:
 - WHOLE NUMBERS
 - FRACTIONS
 - DECIMALS
 - MIXED NUMBERS

MATHEMATICS - 8TH GRADE

- PURPOSE: PREPARE FOR HIGH SCHOOL MATH, SPECIFICALLY ALGEBRA I (FRESHMAN)
- WE BEGIN THE MATH MIND SHIFT BY LEARNING
 - VARIABLES IN EQUATIONS
 - BASIC FOUR OPERATIONS WITH REAL NUMBERS
 - INTRODUCTION TO FUNCTIONS
 - SOLVING EQUATIONS
 - LINEAR EQUATIONS - GRAPHING
 - DATA DISPLAYS AND INTERPRETATION

8TH GRADE - CH 2 PREREQUISITE SKILLS

- KNOW THE NUMBER GROUPS / FAMILIES
- ORDERING REAL NUMBERS, USING THE NUMBER LINE
- PERFORM 4 BASIC OPERATIONS WITH FRACTIONS
- CONVERT FROM IMPROPER FRACTION TO MIXED NUMBER AND BACK
- USING THE ORDER OF OPERATIONS, PEMDAS (LEFT TO RIGHT)
- ABLE TO WORK WITH INEQUALITIES (GREATER THAN, LESS THAN, ETC.)
- CHANGE FRACTION TO A DECIMAL AND THE REVERSE
- ABLE TO USE THE DISTRIBUTIVE PROPERTY

MATHEMATICS —

- FORETHOUGHT
- PERFORMANCE
- REFLECTION

Preview and Review of Math Chapters / Topics

Name: _____ Date: _____

Purpose: Encourage students to utilize the SRL skills of forethought (planning, organization) and reflection (self-evaluation, cause-effect) to improve his/her success in learning math concepts and computation skills. General steps to follow:

Record the section # and section topic for the chapter _____

Score your pre knowledge of the topic (1=none, 3=some, 5=strong)

Score your classwork success or understanding of the topic (1=none, 3=some, 5=strong)

Score your post knowledge of the topic (1=none, 3=some, 5=strong)

Record your efforts and strategies

Record your assessment scores (in %)

Plan for improvement or continued success

Section #	Section Topic	Pre Know (1 – 5)	Classwork (1 – 5)	Post Know (1 – 5)
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

What **efforts** did you make and **strategies** did you use? Circle each that applies:

Classwork Study at home Peer Help Teacher Help Corrections Parents
 Khan Acad Extra Problems Flash Cards Videos Read Text Other _____










Quiz Score _____ % Test Score _____ % Class Grade _____ %

Plan for success / learning / improve: Circle each that applies:

Classwork Study at home Peer Help Teacher Help Corrections Parents
 Khan Acad Extra Problems Flash Cards Videos Read Text Other _____

MATHEMATICS - RESOURCES

- HANDS ON – MATH IN MY WORLD
- WORK USUALLY COMPLETED IN CLASS
- ALEC
 - “ALL” WORK SHEETS
 - NO ASSESSMENTS (TESTS, QUIZZES)
 - RESOURCES (SEE LIST AT LEFT)

-  [Math Classroom Expectations](#)
-  [8th Grade Pre-Algebra Curriculum Map](#)
-  [Math in My World \(MMW\) - project example](#)
-  [Reflection - Math progress graph](#)
-  [Math in Many Jobs / Occupations](#)
-  [Conversion Table - Measurement Units](#)
-  [Online math resources - "free"](#)
-  [Announcements](#)
-  [Khan Academy - Free online lessons](#)

MATHEMATICS - RESOURCES

→ ↻ ⌂ <https://www.khanacademy.org/coach/dashboard>

Subjects ▾ 🔍

Math by subject

Early math 5%

Arithmetic 1%

Algebra

Geometry

Trigonometry

Statistics & probability

Calculus

Differential equations

Linear algebra

Math for fun and glory

Math by grade

K–2nd 5%

3rd

4th

5th

6th

7th

8th

Science & engineering

Physics

Chemistry

• HELPFUL ONLINE RESOURCES FOR MATHEMATICS

• KHAN ACADEMY

[KHAN ACADEMY.ORG](https://www.khanacademy.org)

• COOLMATH.COM

[COOLMATH-GAMES.COM](https://www.coolmath-games.com)

• SMART-KIT.ORG

[SMART-KIT.COM GAMES](https://www.smart-kit.com/games)

• PURPLE MATH

[PURPLEMATH.COM](https://www.purplemath.com)

• IXL

[IXL.COM/MATH](https://www.ixl.com/math)

• KUTA

[KUTA FREE WORKSHEETS](https://www.kuta-free-worksheets.com)



MATH HOMEWORK - COMPUTATION

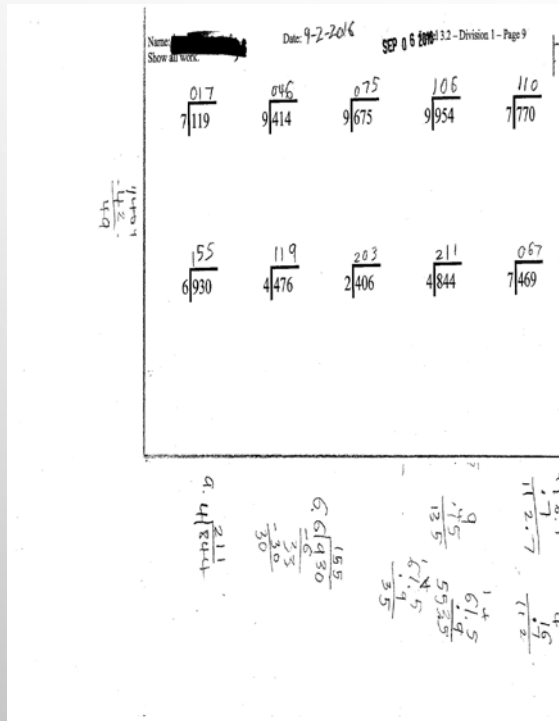
- MR. DEWEY (TEACHER) AND MS. SMITH (PARA-PROFESSIONAL)
- PRIMARY PURPOSE: **FIND AND FILL GAPS** IN FOUNDATIONAL MATH SKILLS
- SECONDARY PURPOSE: HELP STUDENTS **DEVELOP SRL SKILLS** SUCH AS:
 - ORGANIZATION
 - SELF-DIRECTED
 - PLANNING
 - TIME MANAGEMENT

MATH HOMEWORK - COMPUTATION

- KEY POINT: STUDENT PERFORMANCE ON ASSESSMENT SETS THE STARTING POINT OR LEVEL OF WORK. WE WANT TO BUILD EACH FOUNDATIONAL STEP ON THE LADDER SO STUDENTS CAN BE SUCCESSFUL AT CURRENT GRADE LEVEL.



MATH HOMEWORK - COMPUTATION



- ONE PER DAY (M-F) COMPLETED **OUTSIDE** OF SCHOOL
- DO WORK ON SEPARATE SHEET, THEN RECORD ANSWERS ON HALF SHEET
- OPPORTUNITY TO ADVANCE AFTER 20 DAY SERIES
- SEE EXAMPLE IN PLANNER, PAGE 8

TAKE AWAYS

- MIDDLE SCHOOL MATH PROVIDES A PATHWAY TO SUCCESS IN HIGH SCHOOL AND LIFE MATH.
- MATH AT HOME EVERY NIGHT, MONDAY – FRIDAY
 - FOLLOW THE FORMAT PROVIDED IN THE STUDENT PLANNER
 - HOW IS YOUR MATH HOMEWORK THE SAME AS THE EXAMPLE IN THE PLANNER?
 - HOW IS YOUR MATH HOMEWORK DIFFERENT THAN THE EXAMPLE IN THE PLANNER?
- STAR MATH REPORT WILL COME HOME EACH QUARTER TO INFORM YOU OF PROGRESS.