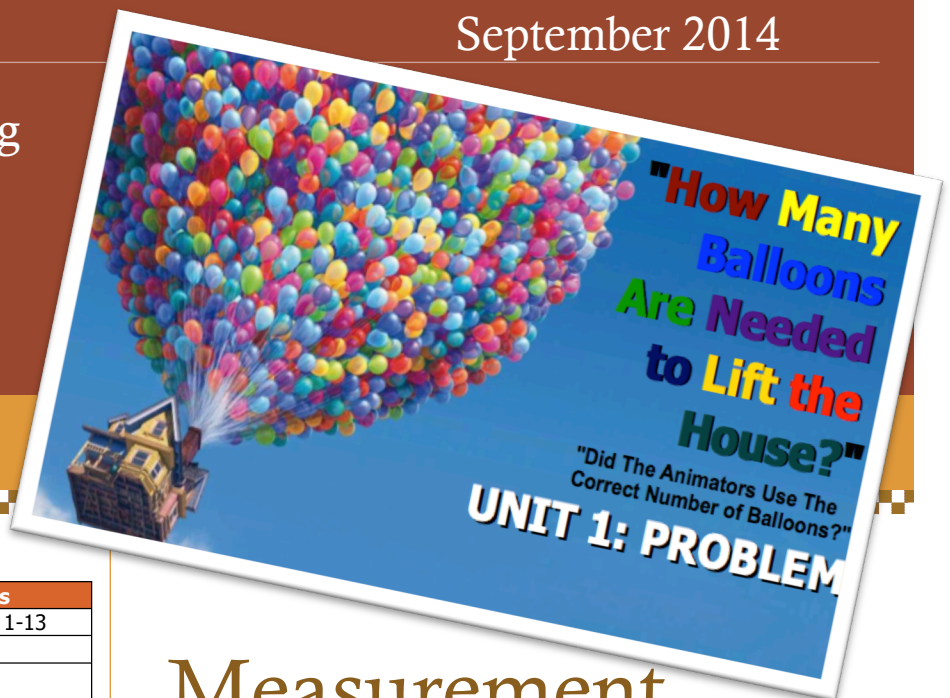


# Gr.9 Math News

September 2014

Problem 1: Is Pixar Using  
The Correct Number of  
Balloons In The Movie  
*Up?*

Unit Practice



| Lesson Title & Topics  | Practice of Tools  |
|--|--|
| Proportional Reasoning   | Workbook pages 1-11 to 1-13  |
| The Pythagorean Theorem  | p. 423-424, #1-10  |
| Perimeter and Area Of Composite Figures                          | Worksheet 2, 3<br>Pg. 432 # 1-4, 16a, 17   |
| Volume of Prisms, Pyramids, Cones, Cylinders and Spheres Part I  | 8.3 #4, 6, 9, 14a  |
| Volume of Prisms, Pyramids, Cones, Cylinders and Spheres Part II | 8.3 #2, 8, 11<br>8.5 #1cd, 5, 8<br>8.7 #1c, 5, 7   |
| Surface Area I   | 8.3 #1a, 2b, 3b, 11<br>8.4 #2, 3, 4, 6, 9, 10<br>8.6 #3, 4, 7                                      |
| Surface Area II  | 8.7 #7, 8, 9, 11, 14   |
| Assessment Break   | p.472<br>Chapter 8: Practice Test<br>#1-5,6,9,10   |
| Optimization   | Complete Graph and Table on 1.6<br><br>9.2 # 2-6, 8, 9   |
| Review   | Chapter 8 Review<br>#1,3, 5b, 7, 8, 10, 13, 15<br>Chapter 9:<br>-Review #3, 4<br>-Practice Test #1 |

## Measurement

Throughout the course of "Problem 1", students will extend their understandings from Grade 8 to include the measurement of composite two-dimensional shapes and the development of formulas for, and applications of, additional three-dimensional figures. Students will solve problems involving Perimeter, Area, Surface Area and Volume. Students will investigate the optimal size of shapes by examining the effect of varying dimensions (length & width).

Recently, a letter of permission was sent home with your son/daughter requesting your permission to video the students during various activities in our Math classes. The experiences captured in video may be shared with staff within our school, as well as with educators across the Board. Please ensure that you have reviewed/signed the letter and ask your son/daughter to return it to his/her Math teacher. If you have any questions or concerns, please feel free to contact Mr. Attanasio, Department Head of Mathematics.

### Problem 1 Checklist of Assessment Items

Completion of Homework  
Help Online Assignment

Early Oct.

Completion of Concept  
Map/Mind Map of

Tools  
Sept.

Completion of Problem  
Practice of ALL tools

Everyday

Completion of  
Team Problem Task

Late Sept.

Completion of  
Test

Early Oct.

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