

Math Journal - Chapter 8 - Ratios, Proportions and Percents

- 8.01 Create a double bubble map to compare and contrast equivalent ratios and equivalent fractions. Write a paragraph to discuss your ideas.
- 8.02 The Math6.org extension for this lesson (8.2) will show you how to use Microsoft Excel to solve proportions. You should complete that activity. OR Create a flow map to show the sequence of steps for solving a proportion. Use your flow map to write a "how to" paragraph.
- 8.03 **There are 26 activities related to this lesson @ Math6.org. Complete 15 of them. OR Write a 3 paragraph opinion piece to discuss the value of measurement ladders. OR Write and produce a 30 second television public service commercial to encourage classmates to use measurement ladders to master measurement problems.
- 8.04 The Math6.org extension for this lesson (8.4) will show you how to create similar figures using Microsoft Word. You should complete that activity. OR Use a compass, protractor and ruler to draw and label an pair of similar triangles and a pair of similar rectangles. Write a short description (as a caption) for each drawing.
- 8.05 Complete the Indirect Measurement Challenge.
- 8.06 Use graph paper to help you create a scale map of your bedroom. Decide the scale first and start the drawing with the longest wall.
- 8.07 The Math6.org extension for this lesson (8.7) will show you how to format percents, decimals and fractions with Microsoft Excel. You should complete that activity. OR Choose any 3 percents from problems 15-20 on page 420. Model them on 10 x 10 grid paper as percents, fractions and decimals.
- 8.08 The Math6.org extension for this lesson (8.8) will show you how to format percents, decimals and fractions with Microsoft Excel. You should complete that activity. OR Write an opinion piece to discuss which presentation of a number helps you understand its value best. Do you prefer looking at fractions, decimals or percents? (include a poll and graph)
- 8.09 The Math6.org extension for this lesson (8.9) will show you how to create a proper circle graph using a compass, protractor and ruler. You should complete that activity. OR Create a 5 question quiz (with answer key) using real-world situations in which percents are used.
- 8.10 Create a puppet show (sock puppets are fine) to show either proper tipping amounts (a dime; 10% ; 15% ; 20%) or a scenario where a person is confused by discounts and is helped to understand the "percent on" concept.

Indirect Measurement Challenge

You and your team of investigators will use your math skills to determine the height of various “dangerous to measure” objects. Record your answers on this paper and turn it in to receive your grade.

goof-offs and their entire team will be required to cease working on the project and their papers will be graded as is – since we will be outside – there will be no warnings regarding misconduct

Name _____ ; _____ ; _____

Object	Height (m)	Height (feet)
Flag pole		
Soccer Goal		
Scoreboard		
Tree (next to gym)		
Annex building		
Tree (practice soccer field)		
Baseball Backstop		

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