

CH. 5 Ratios, Proportions, and Similarity

Lesson: 5-1 Ratios and proportions
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Students find equivalent ratios to create proportions.

Teaching Procedure

Read/discuss p. 222-223. Work p. 224 #1-10 at the board.

Homework Assignment

Workbook 5-1.

Lesson: 5-2 Ratios, rates and unit rates
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Students work with rates and ratios.

Teaching Procedure

Read/discuss p. 226-227. Work p. 228 #1-4 at the board.

Homework Assignment

Workbook 5-2.

Lesson: 5-3 Dimensional analysis
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Students use one or more conversion factors to solve problems.

Teaching Procedure

Read/discuss p. 230-232. Work p. 232 #1-6 at the board.

Homework Assignment

Workbook 5-3.

Lesson: 5-4 Solving proportions

Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Students solve proportions.

Teaching Procedure

Read/discuss p. 237-239. Work p. 239 - 240 #1-8 at the board.

Homework Assignment

Workbook 5-4.

Lesson: 5-5 Similar figures
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Students determine whether figures are similar and find missing dimensions in similar figures.

Teaching Procedure

Read/discuss p. 246-247. Work p. 248 #1-3 at the board.

Homework Assignment

Workbook 5-5.

Lesson: 5-6 Dilations
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any****

Lesson Objective

Students identify and create dilations of plane figures.

Teaching Procedure

Read/discuss p. 252-253. Work p. 254 #1-4 at the board.

Homework Assignment

Workbook 5-6.

Lesson: 5-7 Indirect measurement
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any******Lesson Objective**

Students find measures indirectly by applying the properties of similar figures.

Teaching Procedure

Read/discuss p. 256-257. Work p. 258 #1-3 at the board.

Homework Assignment

Workbook 5-7.

Lesson: 5-8 Scale drawings and scale models
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any******Lesson Objective**

Students make comparisons between and find dimensions of scale drawings, models, and actual objects.

Teaching Procedure

Read/discuss p. 260-261. Work p. 262 #1-4 at the board.

Homework Assignment

Workbook 5-8.

Lesson: Test
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 8

****Correct Homework, if any******Student Evaluation**

Administer test on p. 273.