

CH. 4 Proportional Relationships

Lesson: 4-1 Ratios
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students identify, write and compare ratios.

Teaching Procedure

Read/discuss p. 214-215. Do p. 216, 1-4 at the board.

Homework Assignment

Workbook 4-1.

Lesson: 4-2 Rates
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students find and compare unit rates, such as average speed and unit price.

Teaching Procedure

Read/discuss p. 218-219. Do p. 220, 1-4 at the board.

Homework Assignment

Workbook 4-2.

Lesson: 4-3 Identifying and writing proportions
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students find equivalent ratios and identify proportions.

Teaching Procedure

Read/discuss p. 222-223. Do p. 224, 1-12 at the board.

Homework Assignment

Workbook 4-3.

Lesson: 4-4 Solving proportions
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students solve proportions by using cross products.

Teaching Procedure

Read/discuss p. 226-227. Do p. 228, 1-5 at the board.

Homework Assignment

Workbook 4-4.

Lesson: 4-5 Customary measurements
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students identify and convert customary units of measure.

Teaching Procedure

Read/discuss p. 232-233. Do p. 234, 1-9 at the board.

Homework Assignment

Workbook 4-5.

Lesson: 4-6 Metric measurements
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students identify, convert, and compare metric units.

Teaching Procedure

Read/discuss p. 236-237. Do p. 238, 1-9 at the board.

Homework Assignment

Workbook 4-6.

Lesson: 4-7 Dimensional analysis
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Use dimensional analysis to make unit conversions.

Teaching Procedure

Read/discuss p. 240-241. Do p. 242, 1-4 at the board.

Homework Assignment

Workbook 4-7.

Lesson: 4-8 Similar figures in geometry
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students use ratios to determine if two figures are similar.

Teaching Procedure

Read/discuss p. 248-249. Do p. 250, 1-4 at the board.

Homework Assignment

Workbook 4-8.

Lesson: 4-9 Using similar figures
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students use similar figures to find unknown measures.

Teaching Procedure

Read/discuss p. 252-253. Do p. 254, 1-4 at the board.

Homework Assignment

Workbook 4-9.

Lesson: 4-10 Scale drawings and scale models
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Lesson Objective

Students understand ratios and proportions in scale drawings and use proportions with scale.

Teaching Procedure

Read/discuss p. 256-257. Do p. 258, 1-4 at the board.

Homework Assignment

Workbook 4-10.

Lesson: Test
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 7

Student Evaluation

Administer test on p. 269.
