

CH. 11 Number Theory

Lesson: 11.1 Multiples and the least common multiple
Author: Mr. Hilvers
Endorsed: ...
Level: Grade 5

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

Lesson Objective

Identify multiples and the least common multiple of a set of whole numbers.

Teaching Procedure

Read/discuss p. 276. Work p. 227 #1-12 at the board.

Homework Assignment

Workbook 11.1.

Lesson: 11.2 Hands on: Divisibility
Author: Mr. Hilvers
Endorsed: ...
Level: Grade 5

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

Lesson Objective

Identify numbers that are divisible by 2,3,5,6,9, and 10, and learn the divisibility rules.

Teaching Procedure

Read/discuss p. 278-279. Work p. 279 #1-15 at the board.

Homework Assignment

Workbook 11.2.

Lesson: 11.3 Factors and greatest common factor
Author: Mr. Hilvers
Endorsed: ...
Level: Grade 5

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

Lesson Objective

Identify factors and the greatest common factor of a set of whole numbers.

Teaching Procedure

Read/discuss p. 280-281. Work p. 281-282 #1-17 at the board.

Homework Assignment

Workbook 11.3.

Lesson: 11.4 Prime and composite numbers
Author: Mr. Hilvers
Endorsed: St. Lawrence School
Level: Grade 5

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

Identify factors and tell whether a number is prime or composite.

Teaching Procedure

Read/discuss p. 284. Complete the table orally without "counters". Have students complete a Sieve of Eratosthenes as shown on p. 285 in their notebooks.

Homework Assignment

Workbook 11.4.

Lesson: 11.6 Introduction to exponents
Author: Mr. Hilvers
Endorsed: ...
Level: Grade 5

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

Write and evaluate powers of 10 using exponents.

Teaching Procedure

Read/discuss p. 290. Work p. 291 #1-6 at the board.

Homework Assignment

Workbook 11.6.

Lesson: 11.7 Exponents and square numbers
Author: Mr. Hilvers
Endorsed: ...
Level: Grade 5

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

Write and evaluate repeated factors in exponent form and identify square numbers.

Teaching Procedure

Read/discuss p. 292-293. Work p. 293-294 #1-15 at the board.

Homework Assignment

Workbook 11.7.

Lesson: 11.8 Prime factorization
Author: Mr. Hilvers
Endorsed: ...
Level: Grade 5

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

Find and write the prime factorization of a number by using exponents.

Teaching Procedure

Read/discuss p. 296-297. Work p. 297 #1-26 at the board.

Homework Assignment

Workbook 11.8.

Lesson: Test
Author: Mr. Hilvers
Endorsed: ...
Level: Grade 5

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

Student Evaluation

Administer test on p. 303.