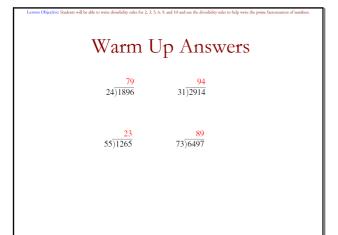


Aug 27-1:29 PM

Sep 22-8:28 PM



Homework Answers

You did not have homework last night. Hope you enjoyed your night off!

Sep 8-8:29 AM

Sep 8-8:30 AM

Lesson 1.4 Sept. 21, 2016

Essential Question:

Without dividing, how can you tell when a number is divisible by another number?

I . . . . . . Ol ' . . . ' . . .

# Lesson Objective:

Sept. 21 & 22, 2016

Students will be able to:

Lesson 1.4

write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.

Aug 27-1:32 PM Aug 27-1:32 PM

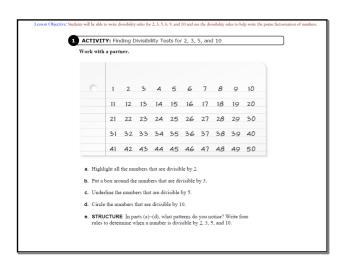
Score	Description
4	I can teach other students how to write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.
3	I can write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.
2	I recognize, but still need help to write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.
1	I do not know how to write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.

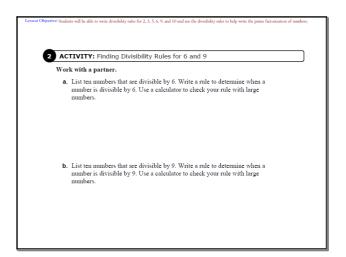
Activity 1 & 2

With a partner, work on Activity I & 2 on pages 15 & 16 of your Big Ideas Record and Practice Journal.

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Aug 27-1:32 PM





Sep 8-8:46 AM

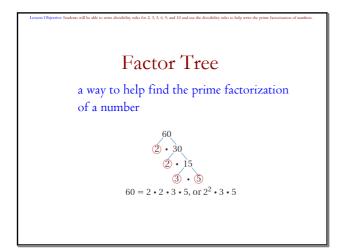
Sep 8-8:46 AM

# Factor Pair the two factors that go together to give a product $Because 2 \text{ is factor of } 10 \text{ and } 2 \cdot 5 = 10, 5 \text{ is also a factor of } 10.$

# Prime Factorization

the number written as a product of its prime factors

Aug 27-1:32 PM Sep 8-8:49 AM



Finding Factor Pairs The brass section of a marching band has 30 members. The band director arranges the brass section in rows. Each row has the same number of members. How many possible arrangements are there? Use the factor pairs of 30 to find the number of arrangement  $30 = 1 \cdot 30$ There could be 1 row of 30 or 30 rows of 1.  $30=2 \bullet 15$ There could be 2 rows of 15 or 15 rows of 2. 30 = 3 • 10 There could be 3 rows of 10 or 10 rows of 3.  $30 = 5 \cdot 6$ There could be 5 rows of 6 or 6 rows of 5. The factors 5 and 6 are already listed.  $30 = 6 \cdot 5$ . There are 8 possible arrangements: 1 row of 30, 30 rows of 1, 2 rows of 15, 15 rows of 2, 3 rows of 10, 10 rows of 3, 5 rows of 6, or 6 rows of 5.

Sep 8-8:49 AM Sep 8-8:54 AM

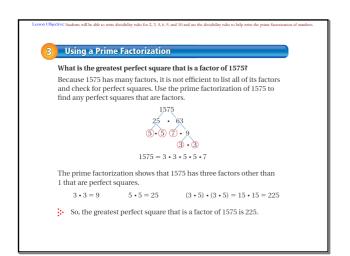
On Your Own

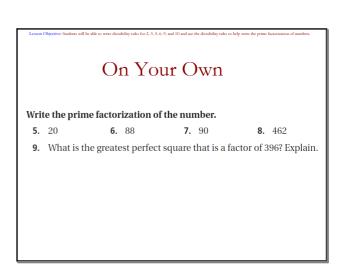
List the factor pairs of the number.

1. 18
2. 24
3. 51

4. WHAT IF? The woodwinds section of the marching band has 38 members. Which has more possible arrangements, the brass section or the woodwinds section? Explain.

Aug 27-1:32 PM Sep 8-8:42 AM





Sep 8-8:56 AM Aug 27-1:32 PM

## Assignment

Complete problems 8, 9, 16, 17, 26, 36, & 37 on pages 28 & 29 in your Big Ideas Text Book.

Lesson Objective Students will be able to write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.

Lesson 1.4

Sept. 21 &22, 2016

### **Essential Question:**

Without dividing, how can you tell when a number is divisible by another number?

Aug 27-1:32 PM Aug 27-1:32 PM

Lesson 1.4 October 1, 2014

### Lesson Objective:

Students will be able to:

write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.

Self-Evaluation Scale

Score

Description

I can teach other students how to write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.

I can write divisibility rules to help write the prime factorization of numbers.

I recognize, but still need help to write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.

I do not know how to write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.

I do not know how to write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime factorization of numbers.

Aug 27-1:32 PM Aug 27-1:32 PM

### Homework

In your Big Ideas Record and Practice Journal page 18.

Aug 27-1:32 PM Sep 17-12:36 PM