

Aug 27-1:29 PM


Sep 8-8:30 AM

## Lesson 1.4

Sept. 26 \& 27, 2016

## Lesson Objective:

Students will be able to:
write divisibility rules for $2,3,5,6,9$, and I 0 and use the divisibility rules to help write the prime factorization of numbers.

## Warm Up Answers

$$
\begin{array}{rr}
\frac{79}{24} \begin{array}{r}
1896 \\
3 1 \longdiv { 2 9 1 4 } \\
5 5 \longdiv { 1 2 6 5 }
\end{array} & 7 3 \longdiv { 6 4 9 7 }
\end{array}
$$

Sep 8-8:29 AM

## Essential Question:

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

Aug 27-1:32 PM

| Self-Evaluation Scale |  |
| :---: | :---: |
| Score | Description |
| 4 | I can teach other students how to write divisibility rules for $2,3,5,6,9$, and IO 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 IO 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 IO 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 IO 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 \& I6 of your Big Ideas Record and Practice Journal.

## Aug 27-1:32 PM



Sep 8-8:46 AM

## Prime Factorization

the number written as a product of its prime factors


Sep 8-8:46 AM


Aug 27-1:32 PM

## Factor Tree

a way to help find the prime factorization of a number

(2) ${ }^{60} 30$<br>(2) 15<br>(3) - 5<br>$60=2 \cdot 2 \cdot 3 \cdot 5$, or $2^{2} \cdot 3 \cdot 5$



Sep 8-8:54 AM


Sep 8-8:42 AM



## Aug 27-1:32 PM

| Self-Evaluation Scale |  |
| :---: | :---: |
| Score | Description |
| 4 | and IO and use the divisibility rules to help write the prime |
| 3 |  |
| 2 | $\begin{aligned} & \text { I recognize, but still need help to write divisibility rules for } 2,3,5,6,9 \text {, } \\ & \text { and I0 and use the divisibility rules to help write the prime } \\ & \text { factorization of numbers. } \end{aligned}$ |
| 1 | I do not know how to write divisibility rules for $2,3,5,6,9$, and I0 and use the divisibility rules to help write the prime factorization of numbers. |

Aug 27-1:32 PM

Lesson 1.4
Sept. 28, 2016

## 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.

Aug 27-1:32 PM

## Homework

In your Big Ideas Record and Practice Journal page 18.

Aug 27-1:32 PM

