

Aug 27-1:29 PM

Sep 8-8:29 AM

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Lesson 1.4

Sept. 26 & 27, 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.

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.

	1 ACTIVITY: Finding Divisibility Tests for 2, 3, 5, and 10
	Work with a partner.
Activity 1 & 2	1 2 3 4 5 6 7 8 9 10
With a partner, work on Activity I & 2 on	11 12 13 14 15 16 17 18 19 20
	21 22 23 24 25 26 27 28 29 30
pages 15 & 16 of your Big Ideas Record and	31 32 33 34 35 36 37 38 39 40
Practice Journal.	41 42 43 44 45 46 47 48 49 50
	a. Highlight all the numbers that are divisible by 2.
	<b>b</b> . Put a box around the numbers that are divisible by 3.
	c. Underline the numbers that are divisible by 5.
	d. Circle the numbers that are divisible by 10.
	e. STRUCTURE In parts (a)-(d), what patterns do you notice? Write four rules to determine when a number is divisible by 2, 3, 5, and 10.

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Lesses Objective Studens will be also users deniability notes for 2.3.5.6.9, and 10 and use the deniability rade to help write the power functionation of mandees. **2** ACTIVITY: Finding Divisibility Rules for 6 and 9
Work with a partner.
a. List ten numbers that are divisible by 6. Write a rule to determine when a mumber is divisible by 6. Use a calculator to check your rule with large numbers.
b. List ten numbers that are divisible by 9. Write a rule to determine when a mumber is divisible by 9. Use a calculator to check your rule with large numbers.

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## Factor Pair

the two factors that go together to give a product

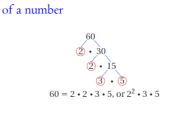
Because 2 is factor of 10 and  $2 \cdot 5 = 10, 5$  is also a factor of 10.

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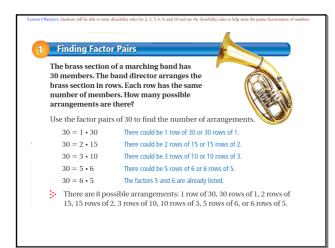
Factor Tree

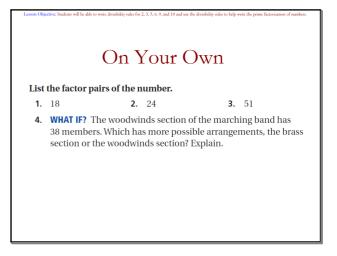
# Prime Factorization

the number written as a product of its prime factors

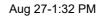


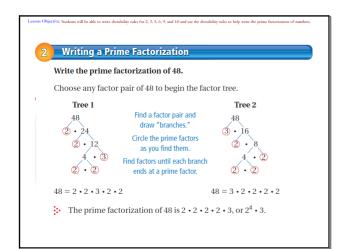
a way to help find the prime factorization



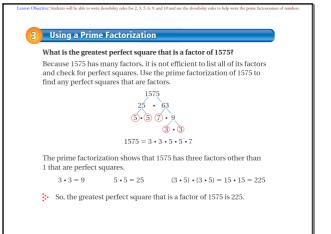




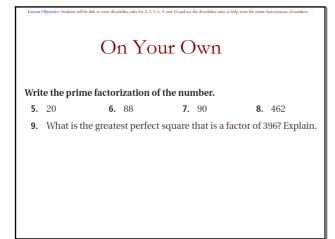




Sep 8-8:42 AM







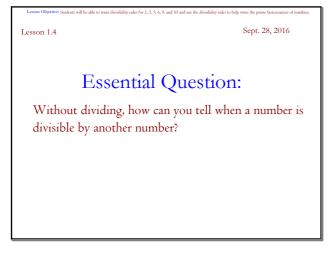
Assignment Complete problems 8, 9, 16, 17, 26, 36, & 37 on pages 28 & 29 in your Big Ideas Text Book.

write divisibility rules for 2, 3, 5, 6, 9, and 10 and use the divisibility rules to help write the prime fac

### September 26 and 27 Lesson 1.4.notebook

#### September 27, 2016

Sept. 28, 2016



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Lesson 1.4

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Homework
In your Big Ideas Record and Practice Journal page 18.

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Sep 17-12:36 PM