

## Math Journal - Chapter 4 - Fraction Readiness

- 4.01 The divisibility rule for 6 is that a number must be divisible by 2 and 3. Use this rule to help you invent a rule for 12, 15 and 18. Check your algorithm to see if you are correct.
- 4.02 Make up a rhyme or song to help your classmates memorize the first 10 prime numbers. {2, 3, 5, 7, 11, 13, 17, 19, 23, 29}
- 4.03 Today's extension @ Math6.org is a Zoo Groups - complete this extension or make a double bubble map to compare and contrast the list method and prime factoring method for finding GCF. Write a paragraph to discuss the similarities and differences.
- 4.04 "Repeating decimals" is a brand new concept for 6th grade students. Think of a slogan to let the student know that they can quit dividing when the number begins to repeat. Then make a poster, brochure or other presentation that will help your classmates see how a repeating decimal is found.
- 4.05 Today's extension @ Math6.org will teach you an advanced but important and fairly easy to do concept called extrapolations. I would like you to complete this extension. OR create a 4x4 that models simplifying the following 4 fractions.  $\{ \frac{36}{48}; \frac{27}{63}; \frac{18}{24}$  and  $\frac{125}{600} \}$
- 4.06 Today's extension @ Math6.org will teach you how to use Microsoft Excel to sort data (put them in order). Complete this extension or explain how you would determine whether  $\frac{15}{51}$  and  $\frac{3}{17}$  are equivalent fractions.
- 4.07 Create a flow map that explains how to change  $12\frac{3}{5}$  into an improper fraction. Then write a "How To" paragraph to communicate the process.
- 4.08 When writing 1 as a fraction in a subtraction problem, how do you know what the numerator and denominator should be? Give an example.
- 4.09 Today's Extension will teach you how to use a spreadsheet (Excel) to multiply fractions. Use this extension to complete your homework or create a double bubble map to compare and contrast the simplify first style with multiply then simplify. Write a persuasive paragraph to try to persuade your readers to employ the style you prefer.

### General Scoring Rubric:

- 0 No Response
- 1 Wrong response
- 2 Weak response
- 3 Showed understanding
- 4 Showed understanding and cited an example
- 5 Showed understanding, cited examples and communicated effectively enough to enable others to understand.