

Name: _____

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Instructor: _____

Date: _____

Class Time: _____

Unit 1 Module A Notes Sections 2.1 – 2.6

View the PowerPoint, Videos, or Textbook for Module 1A.

Vocabulary *Fill in the blanks.*

- (Section 2.1) In the product $a \cdot b$, a and b are called _____.
- (Section 2.1) A _____ of a natural number is a product of that number and some natural number.
- (Section 2.1) A natural number that has exactly two different factors, only itself and 1, is called a _____.
- (Section 2.3) $\frac{n}{0}$ is _____ for any value of n .
- (Section 2.5) A fraction is _____ when it has the smallest numerator and the smallest denominator.

Problems *Show ALL steps.*

- (Section 2.2) Determine if each is divisible by 4.
 - 8598
 - 2824
 - 3560
 - 90014
- (Section 2.1) Find all of the factors of 42.
- (Section 2.3) Circle all fractions below that equal 1.
 $\frac{1}{0}$ $\frac{2}{1}$ $\frac{25}{25}$ $\frac{0}{1}$ $\frac{1}{13}$

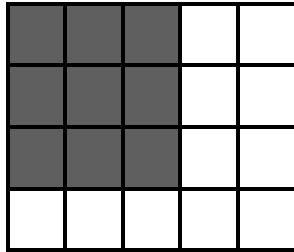
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4. a. (Section 2.4) Express the shaded region as a fraction.



- b. What is $\frac{2}{3}$ of the answer from part a.?

5. (Section 2.5) Write an equivalent fraction.

a. $\frac{3}{5} = \frac{?}{25}$

b. $4 = \frac{?}{13}$

6. (Section 2.6) Truffles. Chocolate Delight sells $\frac{4}{5}$ lb boxes of truffles. How many pounds of truffles will be needed to fill 85 boxes?