

Name: _____

Unit 1 – Numeracy Skills

1.2 – Simplifying Fractions

To simplify a fraction,

- Divide the numerator **AND** the denominator by the same number (common factor).
- Keep repeating the process until it can't be divided by any other common factor.
- The resulting fraction is then in **LOWEST TERMS**.

Example: Simplify: $\frac{18}{27}$ What number will divide exactly into 18 **AND** 27?

Simplify the following fractions to their lowest terms. SHOW ALL WORK!

Remember! Divide the numerator and denominator by the SAME number and repeat...

a) $\frac{4}{16}$

b) $\frac{3}{12}$

c) $\frac{25}{75}$

d) $\frac{15}{21}$

e) $\frac{8}{18}$

f) $\frac{45}{100}$

g) $\frac{20}{50}$

h) $\frac{3}{21}$

i) $\frac{7}{56}$

Assignment

1. Round each decimal number to the place value indicated:

a. 12.76 (tenth) b. 384 (hundred) c. 0.099 (hundredths)

d. 8.473 (whole no.) e. 16 (tens) f. 23.4899 (thousandth)

2. Simplify the following fractions to their lowest terms:

a. $\frac{7}{28}$ b. $\frac{12}{30}$

c. $\frac{15}{48}$ d. $\frac{45}{9}$

e. $\frac{70}{35}$ f. $\frac{24}{56}$

g. $\frac{90}{120}$ h. $\frac{32}{64}$

i. $\frac{25}{100}$ j. $\frac{44}{110}$

k. $\frac{48}{84}$ l. $\frac{112}{126}$

m. $\frac{92}{120}$ n. $\frac{192}{276}$