

Today's Learning Goal(s):

By the end of the class, I will be able to:

- a) Convert a percent to a decimal.
- b) Calculate the percent of a number.
- c) Evaluate exponential functions for a given value for x .
- d) Convert units of time from weeks to years, months to years, and days to years.

MCF 3MI

8.0 Getting Started – *Unit 8*

Date: _____

Ex. 1: Convert each percent to a decimal.

- a) 29% b) 107% c) 0.4% d) 45% e) 59% f) 7.5% g) 100% h) 3.65%

Ex. 2: Determine each amount.

- a) 5% of 80 b) 3.8% of 240 c) 75% of 68 d) 7.25% of 2000

Calculating a Restaurant Tip *Note: 15 % is usually considered the MINIMUM tip percentage (in your head)*

- e) 15% of 40 f) 15% of 64 g) 15% of 85 h) 15% of 66

Ex. 3: Express each of the following as a fraction of a year.

- a) 2 weeks b) 4 months c) 140 days

Ex. 4: Evaluate the following exponential functions. Remember BEDMAS!

a) If $f(x) = 4(3)^{2x}$, determine $f(-2)$. b) If $f(x) = 3(4)^{2x}$, determine $f(3)$ and $f(-3)$.

c) If $f(x) = 5(2)^{3x}$, determine $f(-2)$ and $f(2)$.

d) If $f(x) = 20\,000(1.02)^x$, determine $f(10)$ and $f(20)$.

Homework: p. 452 # 5 – 10, 13