

Unit 1 – Earning an Income

Skills Needed for the Unit:

- Converting a Year to Months, Weeks, Days

1 year = 12 Months

1 year = 52 Weeks

1 year = 365 Days * *leap years = 366 days!*

1 month = (Ave.) 4.3 Weeks (# of weeks/# of months in the year)

52/12 = 4.33333...

- Convert a time in hours and minutes into decimal form

Example: Joe began work at 8:30 and ended his shift at 4:15. How many hours did he work?

** 30 min = 0.5 hr*

chunk it into 2 sections:

15 min = 0.25 hr

8:30 to 12:00 = 3.5 hr

12:00 to 4:15 = 4 hr 15 min. = 4.25 hr

- Converting a percentage to a decimal

Example: Convert 54% into decimal form

$54\% = \frac{54}{100} = 0.54$

*54 ÷ 100 = 0.54
move decimal

- Converting a fraction to a decimal

Example: Convert 32/80 into decimal form

$\frac{32}{80} = 32 \div 80 = 0.4$

- Determining a value given a percent

Example: What is 5% of \$ 4319?

→ You must first write 5% in decimal form!

5% of \$4319
↓ ↓
0.05 X 4319 = \$215.95

$(0.05)(4319) = \$215.95$

**means the same*