

# MEDICATION CALCULATION

**NURSES MUST** perform **DOSAGE CALCULATIONS** when **ADMINISTERING MEDICATIONS, FEEDINGS** and **INTRAVENOUS FLUIDS. PHARMACOLOGY** math **REQUIRES** the nurse to know **SYSTEMS** of **MEASUREMENT** and how to **CONVERT** within those systems of measurement. Since nurses need to **ACCURATELY** calculate medication dosages, it is **ESSENTIAL** to **UNDERSTAND** drug weights and measures.

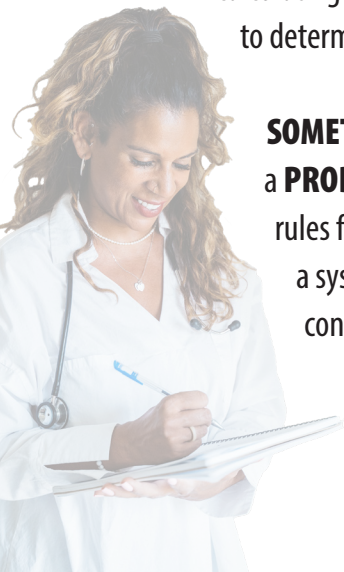
**MATH** computation **SKILLS** (addition, subtraction, division, multiplication, fractions, etc) are **NECESSARY** to calculate medication dosages.

To **INTERPRET PHYSICIAN'S ORDERS**, the nurse must also understand abbreviations used to **DESCRIBE** those **UNITS** of measurement and **FREQUENCY** of administration.

Other **INSTANCES** in which the nurse may use math (pharmacology) includes calculating safe dosages of medications. Nurses may use basic math to determine **INTAKE** and **OUTPUT**.

**SOMETIMES** it is necessary to convert before one can calculate a **PROBLEM**. When using the **METRIC** system, remember the rules for moving the decimal. If you know one equivalent within a system, then you can use **RATIO** and proportion to **SOLVE** conversions.

E F A C C U R A T E L Y P H Y S I C I A N N W  
S X Z L Y V E E U I N T E R P R E T C X E C F  
U O I L I E K F P R Q O S O M E T I M E S F B  
O Z R H I Q A D T Q Z M M I M K S A W X S U L  
N H A D S B T N U J E E P E W R G G U N E T Z  
E J K B E F N A O A A P L J E E F W E C N R S  
V X V E E R I T L S Z B D Q Q G E C J I T F Q  
A F C S A Z S S U R O H U A J A E R A R I U L  
R H K T D W N R X R O I A R J S D R R T A B E  
T C I T O U E E P J R N S S S O I N C E L X L  
N O R T M M K D Z E Y E P A I D N L B M C T Y  
I S U W E I D N S A E T R B U U G Z M F C S G  
Z N S N J Y O U X L S Y P H N O S E I B I B O  
M Z T A D M I N I S T E R I N G D O H K J F L  
O C K P L E U R S V X B C D L I N Q A Z J S O  
H O P W F R E Q U E N C Y N C O N V E R T B C  
H W R U S W U H F S J N C A A I V J X Z Z X A  
O H T E N P H P M O S N T F P T M U S T D F M  
D E S C R I B E R S K I L L S F S H R Z L R R  
R F H S V D T M F M O E V L O S Q N C U P K A  
Q O P U M S W S A N C A L C U L A T I O N S H  
N Z D P Y R E T S P W C F B E H K D P V H V P  
S F X S D J H K U Z V K X Q N H S G U U Q D M



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E	F	A	C	C	R	A	T	E	L	Y	P	H	Y	S	I	C	I	A	N	N	W	
S	X	Z	L	Y	V	E	E	U	I	N	T	E	R	P	R	E	T	C	X	E	C	F
U	O	I	L	I	E	K	F	P	R	Q	O	S	O	M	E	T	I	M	E	S	F	B
O	Z	R	H	I	Q	A	D	T	Q	Z	M	I	M	K	S	A	W	X	S	U	L	
N	H	A	D	S	B	T	N	U	J	E	E	P	E	W	R	G	G	U	N	E	T	Z
E	J	K	B	E	F	N	A	O	A	A	P	L	J	E	E	F	W	E	C	N	R	S
V	X	V	E	E	R	I	T	L	S	Z	B	D	Q	Q	G	E	C	J	I	T	F	Q
A	F	C	S	A	Z	S	S	U	R	O	H	U	A	J	A	E	R	A	R	I	U	L
R	H	K	T	D	W	N	R	X	R	O	I	A	R	J	S	D	R	R	T	A	B	E
T	C	I	T	O	U	E	E	P	J	R	N	S	S	S	O	I	N	C	E	L	X	L
N	O	R	T	M	M	K	D	Z	E	Y	E	P	A	I	D	N	L	B	M	C	T	Y
I	S	U	W	E	I	D	N	S	A	E	T	R	B	U	U	G	Z	M	F	C	S	G
Z	N	S	N	J	Y	O	U	X	L	S	Y	P	H	N	O	S	E	I	B	I	B	O
M	Z	T	A	D	M	I	N	I	S	T	E	R	I	N	G	D	O	H	K	J	F	L
O	C	K	P	L	E	U	R	S	V	X	B	C	D	L	I	N	Q	A	Z	J	S	O
H	O	P	W	F	R	E	Q	U	E	N	C	Y	N	C	O	N	V	E	R	T	B	C
H	W	R	U	S	W	U	H	F	S	J	N	C	A	A	I	V	J	X	Z	Z	X	A
O	H	T	E	N	P	H	P	M	O	S	N	T	F	P	T	M	U	S	T	D	F	M
D	E	S	C	R	I	B	E	R	S	K	I	L	L	S	F	S	H	R	Z	L	R	R
R	F	H	S	V	D	T	M	F	M	O	E	V	L	O	S	Q	N	C	U	P	K	A
Q	O	P	U	M	S	W	S	A	N	C	A	L	C	U	L	A	T	I	O	N	S	H
N	Z	D	P	Y	R	E	T	S	P	W	C	F	B	E	H	K	D	P	V	H	V	P
S	F	X	S	D	J	H	K	U	Z	V	K	X	Q	N	H	S	G	U	U	Q	D	M

