

NURSING COURSES

CALCULATIONS: ROUNDING RULES

1. For rounding purposes, round up for 0.5 and higher. Examples: $1.5 = 2$;
 $2.25 = 2.3$, etc
2. For kilograms in adults: Calculate to the hundredth place, round to the nearest tenth.
Examples: $45.67\text{kg} = 45.7\text{kg}$; $10.33\text{kg} = 10.3\text{kg}$
3. For kilograms in children: Calculate to the thousandth place, round to the nearest hundredth.
Examples: $9.323\text{ kg} = 9.32\text{ kg}$; $9.327\text{ kg} = 9.33\text{kg}$
4. Drops per minute: Calculate to the tenth place and round to the nearest whole number.
Examples: $20.3\text{ drops} = 20\text{ drops}$; $20.8\text{ drops} = 21\text{ drops}$
5. Adult medication dosages: Calculate to the hundredth place and round to the nearest tenth.
Examples: $1.34\text{ ml} = 1.3\text{ml}$; $1.38\text{ ml} = 1.4\text{ ml}$; for milligrams (mg), calculate to nearest tenth and round to nearest whole number. Examples: $12.5\text{mg} = 13\text{mg}$, $12.2\text{mg} = 12\text{mg}$
6. Children medication dosages: Calculate to the hundredth place and round to the nearest tenth. Examples: $2.54\text{ml} = 2.5\text{ml}$; $2.58\text{ml} = 2.6\text{ml}$
7. Children dosage ranges: Calculate to the hundredth place and round to the nearest tenth.
Examples: $341.24\text{mg} (= 341.2\text{mg})$ - $682.47\text{mg} (=682.5\text{ mg})$
8. To set flow-gard IV pumps at ml/hr: Calculate to the tenth place and round to the nearest whole number. Examples: $125.8\text{ml/hr} = 126\text{ml/hr}$; $125.4\text{ml/hr} = 125\text{ml/hr}$ (There may be an **exception for Critical Care**)