

# Health Science: Medical Math (2023)

Perform fundamental arithmetic operations on whole numbers, fractions, decimals, and percent for accuracy and speed. **MM1**

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**1** Perform fundamental arithmetic operations on whole numbers, fractions, decimals, and percent for accuracy and speed. **MM1**

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Understand mathematical procedures and use them appropriately. **MM2**

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**2** Understand mathematical procedures and use them appropriately. **MM2**

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Accurately calculate oral and parenteral dosages. **MM3**

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Relate mathematics to activities in health science and discuss the importance of a thorough understanding of mathematics to a successful career in the health profession. **MM4**

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Perform conversions with accuracy interchanging apothecary, metric, and household systems. **MM5**

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Analyze and compare over-the-counter medications as to the number of doses and unit price. **MM6**

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**Observe and record the ways measurement is used in a medical laboratory.** MM7

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**7 Observe and record the ways measurement is used in a medical laboratory.** MM7

**Describe and perform steps in dosage calculations of oral and parenteral medications.** MM8

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**8 Describe and perform steps in dosage calculations of oral and parenteral medications.** MM8

**Describe and perform steps in dosage calculations in pediatric dosage calculations.** MM9

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**9 Describe and perform steps in dosage calculations in pediatric dosage calculations.** MM9

**Describe and perform concepts of IV therapy calculation.** MM10

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**10 Describe and perform concepts of IV therapy calculation.** MM10

**Use various types of graphs to interpret and analyze information.** MM11

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**11 Use various types of graphs to interpret and analyze information.** MM11

**Organize information using classification rules and systems such as symbols, abbreviations, and Roman numerals.** MM12

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**Estimate values for operations involving decimals and cognitively compute the results.** MM13

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**13 Estimate values for operations involving decimals and cognitively compute the results.** MM13

**Represent fractions as ratios in simplest form.** MM14

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**14 Represent fractions as ratios in simplest form.** MM14

**Represent numbers in scientific notation.** MM15

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**15 Represent numbers in scientific notation.** MM15

**Demonstrate knowledge of measurement**

**16 Demonstrate knowledge of measurement systems and conversion principles.** MM16

systems and conversion principles. [MM16](#)

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Perform addition, subtraction, multiplication, and division of signed numbers. [MM17](#)

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Relate words to algebraic expressions. [MM18](#)

**18** Relate words to algebraic expressions. [MM18](#)

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Set up and solve proportions. [MM19](#)

**19** Set up and solve proportions. [MM19](#)

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Find the mean, median, and mode for a group of values. [MM20](#)

**20** Find the mean, median, and mode for a group of values. [MM20](#)

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Use the 24-hour clock (military time). [MM21](#)

**21** Use the 24-hour clock (military time). [MM21](#)

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Utilize activities of HOSA-Future Health Professionals as an integral component of course content, skills application, and leadership development. [MM22](#)

**22** Utilize activities of HOSA-Future Health Professionals as an integral component of course content, skills application, and leadership development. [MM22](#)

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Use information technology applications as appropriate to health care specialties. [MM23](#)

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Integrate literacy and numeracy concepts and processes across all curricular units. [MM24](#)

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Demonstrate employability and social skills relevant to health careers. [MM25](#)

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