Kentucky CTE

Health Science: Medical Math (2023)

Perform fundamental arithmetic operations on whole numbers, fractions, decimals, and percent for accuracy and speed. MM1	**1 Perform fundamental arithmetic operations on whole numbers, fractions, decimals, and percent for accuracy and speed.** MM1
Understand mathematical procedures and use them appropriately. MM2	**2 Understand mathematical procedures and use them appropriately.** MM2
Accurately calculate oral and parenteral dosages. MM3	**3 Accurately calculate oral and parenteral dosages.** MM3
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	**4 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
Perform conversions with accuracy interchanging apothecary, metric, and household systems. MM5	**5 Perform conversions with accuracy interchanging apothecary, metric, and household systems.** MM5
Analyze and compare over-the-counter medications as to the number of doses and un	**6 Analyze and compare over-the-counter medications as to the number of doses and unit price.** MM6

Skip to main content

Observe and record the ways measurement is used in a medical laboratory. MM7	**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	**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	**9** **Describe and perform steps in dosage calculations in pediatric dosage calculations.** MM9
Describe and perform concepts of IV therapy calculation. MM10	**10** **Describe and perform concepts of IV therapy calculation.** MM10
Use various types of graphs to interpret and analyze information. MM11	**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	**12** **Organize information using classification rules and systems such as symbols, abbreviations, and Roman numerals.** MM12
Estimate values for operations involving decimals and cognitively compute the results. MM13	**13** **Estimate values for operations involving decimals and cognitively compute the results.** MM13
Represent fractions as ratios in simplest form. MM14	**14** **Represent fractions as ratios in simplest form.** MM14
Represent numbers in scientific notation. MM15	**15** **Represent numbers in scientific notation.** MM15
De of Skip to main content	**Demonstrate knowledge of measurement systems and conversion principles.** MM16

systems and conversion principles. MM16	
Perform addition, subtraction, multiplication, and division of signed numbers. MM!7	17 Perform addition, subtraction, multiplication, and division of signed numbers. MM!7
Relate words to algebraic expressions. MM18	18 Relate words to algebraic expressions. MM18
Set up and solve proportions. MM19	19 Set up and solve proportions. MM19
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
Use the 24-hour clock (military time). MM21	21 Use the 24-hour clock (military time). MM21
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
Use information technology applications as appropriate to health care specialties. MM23	23 Use information technology applications as appropriate to health care specialties. MM23
Integrate literacy and numeracy concepts and processes across all curricular units. MM24	24 Integrate literacy and numeracy concepts and processes across all curricular units. MM24
Demonstrate employability and social skills relevant to health careers. MM25	25 Demonstrate employability and social skills relevant to health careers. MM25