



Medical Math

Career Competition

Career Cluster: Health Sciences

State Qualifying Exam: No

National Contest: Yes

Participation: Individual

Competition Description

Evaluate the students' ability to understand and solve mathematical problems commonly used in the various health care settings.

Tasks To Be Evaluated

The test questions will be taken from problems encountered in the medical field and are selected from the area that might be used in real world applications. There will be additional questions related to professional development. Competitors will demonstrate their ability to solve math problems that deal with the following areas: Measurements including vital signs, temperature conversions, and height and weight, Metric and household measurements, Conversions, Ratio and proportion, Percentage, Intake and output, Roman numerals, and Dosage calculations.

Clothing Requirement

National Requirement:

Class B: Healthcare Attire

- Official SkillsUSA blue scrubs. Scrubs should fit appropriately for all health competitions and should be properly hemmed and wrinkle free.
- Only plain, white, collarless T-shirts may be worn underneath the scrubs.
- Hair must be pinned up and off the collar.
- White socks or white seamless/nonpattern hose visible above the top of the shoe.
- Health professionals white or black leather work shoes. Shoes must be all-white or black leather (no canvas/mesh), completely enclosed (no open-toe or open-heel). Athletic-style shoes that meet the criteria are acceptable.

State Requirement:

Class B: Healthcare Attire OR

- Scrubs should fit appropriately for all health competitions and should be properly hemmed and wrinkle free.
- Only plain, white, collarless T-shirts may be worn underneath the scrubs.
- Hair must be pinned up and off the collar.
- White socks or white seamless/nonpattern hose visible above the top of the shoe.
- Health professionals white or black leather work shoes. Shoes must be all-white or black leather (no canvas/mesh), completely enclosed (no open-toe or open-heel). Athletic-style shoes that meet the criteria are acceptable.
- Any embroidered names or school patches must be covered, if applicable.

Provided by Competitor

- Basic hand-held calculator (no graphing or scientific calculators [with fraction keys] will be permitted)

Provided by Technical Committee

- Test problems and instructions
- Scratch paper and a pencil

Additional Information

No watches/smartwatches/cellphones or other timing devices are permitted in the contest area. No reference materials may be brought into the competition area.