

Segment Two: 'What's Math, Science and Reading Have To Do With It?'

Vocabulary Words:

Listed below are some words that were used in the HCI Video Segment Two:
'What's Math, Science and Reading Have To Do With It?'

Draw a line from the word in the left column to the meaning of that word in the right column.

Anteroom	A radioactive material used in Nuclear Medicine
Garb Up	The giving of liquid substances directly into a vein
IV, Intravenous Therapy	An outer room that leads to another room
Critical	To put on protective clothing
Radionuclides	Special equipment used in Nuclear Medicine
Gamma Camera	A very serious state of medical condition

As you have learned, Math plays an important role in healthcare careers. Imagine you are working in a healthcare job and need to solve the math problems below in order to get your work done.

Problem #1: Place Values

You are a Nursing Assistant and you are given written directions to wheel a patient from X-Ray to their hospital room. Their room number is written in place values. It reads, 6 tens, 9 hundreds, 5 ones and 5 thousands? What is their room number?

Problem #2: Decimals:

You are an Emergency Medical Technician and your ambulance has been dispatched to the house of a heart attack victim. Every minute counts in an emergency situation like this! The patient's house is 9.5 miles from the hospital. You have already traveled 6.7 miles. How many more miles do you have to go?

Problem #3: Roman Numerals

You are a Pharmacist in a busy pharmacy. You receive a written prescription from a doctor on which she has written the amount of pills a patient should have refilled. Unfortunately, the doctor has written the number in Roman Numerals. She has written, LVII. Can you tell how many tablets you should sell to the patient?

Problem #4: Measurements

You are a Diagnostic Sonographer and regularly give an ultrasound to a patient expecting a baby. You always measure the baby's CR Length, also know as the 'crown-rump length.' That means you measure from the top of the head to the baby's rump. At the last visit, the baby measured 190mm (millimeters). Today the baby measures 230mm. How many millimeters has the baby grown since the Mother's last visit?

Problem #5: Percentages

You are a Surgical Technologist in the surgery department of a large hospital. The head surgeon has asked that you sort and organize all surgical scrubs by color and report back to him with the percentage of different colored scrubs. You count a total of 320 scrubs. 96 are green, 64 are blue and 160 are pink. What percentage of the 320 total scrubs are green, blue and pink?

Problem #6: Rounding

You are a Dental Assistant in a Pediatric Dental office. The dentist likes to give toothbrushes to his young patients. You are in charge of ordering the correct number of toothbrushes each month. You check the appointment records and learn that 126 boys and 88 girls have appointments. To be sure you have plenty of toothbrushes you decide to round to tens. How many toothbrushes do you order for the boys and how many do you order for the girls?