



For this year's Tournament of Heroes contest, I've decided to give you 10 math problems - Calculate your answer and place your response in the box supplied in the column next to the questions. For your convenience and clarity, I've written the formula below each question. The first person to email me @ info@cheshirefencing.org the answer to the questions completely and correctly will win. If no one completes the contest by the start of the first bout on tournament day, all received entries will be graded as noted below.

Some questions are harder than others, so I'll start you off with two clues:

- All answers are whole and positive.
- No numbers are either multiplied or divided by a 1 or a 0.

Good Luck!

Coach Scott

**1 point for each correct answer within the questions (there are 3-5 lettered answers per question) , 4 points each for each correct answer to a question and 10 points for the correct final answer (total 100). so it is important to show your work in the space provided.*

1	<p>What is the number of strings on a tetrachordo bouzouki (a) PLUS the number of chambers in a human heart (b) PLUS the number of surviving Highlanders (c) PLUS the numeric month of the "day the music died" (d)?</p> $a+b+c+d = ?$ <input type="text"/>	<input type="text"/>
2	<p>What is the total of the country code for Germany (a) AND the numeric equivalent of UPC # 074299419409 (b), MULTIPLIED BY the PRODUCT of the number actors that play or voice for Darth Vader/Anakin Skywalker in the Star Wars feature films (c) AND the total number of known BEATLES (d); then DIVIDED BY the total number of signs of the zodiac (e)?</p> $\frac{(a+b)(cd)}{e}$ <input type="text"/>	<input type="text"/>
3	<p>What is the SUM of total number of Snow White's dwarf companions (a) AND the first number (its 2 digits) in the "long count" of 12/21/2012 (b), AND the total number of "Harry Potter and the ..." books (c) AND the number of individuals comprising the "tous" in this quote from their story: "tous pour un, un pour tous" (d); then DIVIDED BY the total maximum number of FENCING time (in minutes) in a DE bout (e)?</p> $\frac{a+b+c+d}{e}$ <input type="text"/>	<input type="text"/>
4	<p>Choose a random number from 1 to 10 (a). TIMES that number by the number of licks, according to their owl, to the center of a tootsie pop (b). TIMES that number by the minimum number of socks, when chosen randomly from a pool of 10 each of red and black socks that will ensure a matching pair (c). Take the left-most digit of your total and add it to the right most digit for your answer (d).</p> $d^x + d^y = (a)(b)(c)$ <p>(x is left most integer, y is the rightmost integer)</p> <input type="text"/>	<input type="text"/>
5	<p>What is the SUM of the revolutions per minute originally for "his master's voice" (a) AND the number of items in a baker's dozen (b), AND the maximum volume on Nigel Tufnel's amplifier (c) AND the total number of Gemini missions (d); then DIVIDED BY the current "minutes to midnight" (e)?</p> $\frac{a+b+c+d}{e}$ <input type="text"/>	<input type="text"/>

6	<p>What is the PRODUCT of the scene number that the bridge of death guardian appears to Arthur (<i>a</i>) AND the number of 3 sided pieces of a rubics cube (<i>b</i>); MINUS the total of the maximum length of a foil blade (<i>c</i>) TIMES the SUM of the total number of points required to win a team relay match (<i>d</i>) DIVIDED BY the mythical number of cats lives (<i>e</i>).</p> <p>$(ab)-(c(d\div e))$</p> <input data-bbox="760 380 1045 428" type="text"/>	<input data-bbox="1300 352 1429 401" type="text"/>
7	<p>What is the number of Count Rugin's Fingers (<i>a</i>) TIMES the sum of the common line voltage in Britain (<i>b</i>) MINUS the number of ridges on the edge of a dime (<i>c</i>) MINUS the number of the highway that runs between New Haven and Hartford (<i>d</i>)?</p> <p>$a(b-c-d)$</p> <input data-bbox="760 705 1045 753" type="text"/>	<input data-bbox="1300 676 1429 724" type="text"/>
8	<p>What is the SUM of the meaning of life, according to Deep Thought (<i>a</i>) PLUS the minutes in a Robot Chicken episode (<i>b</i>); ADDED TO the SUM of the Fahrenheit freezing degree (<i>c</i>) DIVIDED BY the numbers of Black Sox banned from baseball (<i>d</i>).</p> <p>$\frac{(a+b)+c}{1 d}$</p> <input data-bbox="727 993 1013 1041" type="text"/>	<input data-bbox="1300 963 1429 1012" type="text"/>
9	<p>What is the SUM of the keys on a grand piano (<i>a</i>) PLUS the manufacturer's # for the one hundred and first's "cricket" (<i>b</i>); PLUS the Number of the Beast (<i>c</i>); MINUS the SUM of the decimal equivalent of a hex "face" (<i>d</i>) DIVIDED BY the SUM of number of sports in the first modern olimpiad in 1896 (<i>e</i>) TIMES BY 6.</p> <p>$(a+b+c)-(d\div(6e))$</p> <input data-bbox="781 1276 1066 1325" type="text"/>	<input data-bbox="1300 1247 1429 1295" type="text"/>
10	<p>What is the PRODUCT of the number formed when you spell the word SHELL upside-down on a calculator (<i>a</i>) DIVIDED BY 5; MINUS the SUM of the maximum number of touches for a fencer to win a pool bout (<i>b</i>) when MULTIPLIED BY the SUM of the area code of Burlington, VT (<i>c</i>) MINUS the grams in an epee weight test (<i>d</i>) PLUS the number puppies in Disney's first Dalmations movie (<i>e</i>)</p> <p>$(a\div 5) - b(c-d+e)$</p> <input data-bbox="597 1640 883 1688" type="text"/>	<input data-bbox="1300 1589 1429 1638" type="text"/>
	ANSWER (total the answers of the ten questions)	<input data-bbox="1300 1822 1429 1871" type="text"/>