Junior Mathlete Competition
Proctor Information

Sprint Round Directions

Be sure you use a new sheet of paper for this round and write your name at the top. In this round you will read a math expression in words and find the correct way to write the expression using either Nemeth Code or UEB Math/Science Code. Only write the problem number and the letter for the correct answer. You will receive one point for each correct answer. If you braille an answer incorrectly, space and braille the correct answer. Only your last answer will be scored. You will be allowed exactly 20 minutes for this round. Please stop when I indicate that your time is up.

You Solve It Round Directions

Be sure you use a new sheet of paper for this round and write your name at the top. In this round, you need to not only read the problems correctly, but you must solve them using the order of operations. Remember to start with parentheses, then go to exponents, then multiplication and division, then addition and subtraction. Write the problem number and the answer to that problem. There are no decimals or fractions in the correct answers. You will receive two points for each correct answer. If you braille an answer incorrectly, space and braille the correct answer. Only your last answer will be scored. You will be allowed exactly 20 minutes for this round. Please stop when I indicate that your time is up.

You Write It Round Directions

Be sure you use a new sheet of paper for this round and write your name at the top. For this round, listen carefully to the expressions and braille what you hear in Nemeth Code or UEB Math/Science Code. Be sure to number your problems. I will pause at certain times throughout the expression to give you time to write. We will begin with me reading the entire problem before you begin to braille. I will read the expression up to 3 times as needed. For multiplication, you can use any multiplication sign. This round will last approximately 30 minutes. You will receive one point for each correct answer. If you braille something incorrectly, rebraille the problem number and the entire correct math expression on a new line.

1. Four-fifths

   $$\frac{4}{5}$$

2. One and two-thirds

   $$1\frac{2}{3}$$

3. Zero point six seven

   0.67

4. Sixty-four degrees

   $64°$

5. Three squared

   3^2

6. Two open parenthesis <pause> eight minus seven <pause> close parenthesis

   $2(8-7)$

7. Twenty-four <pause> minus six <pause> times three <pause> minus five

   $24 - 6 \times 3 - 5$ or $24 - 6 \cdot 3 - 5$

8. Three-fourths <pause> plus point two five <pause> equals one

   $\dfrac{3}{4} + .25 = 1$

9. Twenty-three degrees <pause> plus sixty-seven degrees <pause> equals <pause> ninety degrees.

   $23° + 67° = 90°$

10. Two-thirds <pause> is greater than <pause> one-half

    $\dfrac{2}{3} > \dfrac{1}{2}$

11. Five cubed plus <pause> open fraction one hundred twenty-five <pause> over <pause> two hundred fifty close fraction

    $5^3 + \dfrac{125}{250}$

12. Three-sixths <pause> equals <pause> one-half

    $\dfrac{3}{6} = \dfrac{1}{2}$

13. One-half open parenthesis <pause> seven plus two close parenthesis

$$\frac{1}{2}(7+2)$$

14. One and one-half <pause> plus two and one-fourth

$$1\frac{1}{2}+2\frac{1}{4}$$

15. x squared plus three

$$x^2+3$$

16. Five open parenthesis <pause> x minus 4 close parenthesis

$$5(x-4)$$

17. Two thirds plus <pause> one third open parenthesis <pause> two point four minus one point four close parenthesis

$$\frac{2}{3}+\frac{1}{3}(2.4-1.4)$$

18. a open parenthesis <pause> b plus c close parenthesis <pause> equals <pause> a b plus a c.

$$a(b+c)=ab+ac$$

19. One hundred eighty degrees <pause> minus ninety degrees <pause> equals <pause> ninety degrees.

$$180°-90°=90°$$

20. One fourth open parenthesis <pause> four x squared minus <pause> eight x plus sixteen close parenthesis

$$\frac{1}{4}\left(4x^2 - 8x + 16\right)$$

Relay Round Directions

Be sure you use a new sheet of paper for this round and write your name at the top. For the relay round, you will see variables. Find what each variable equals.

Look at these three problems:

$$a = 50 \div 5$$
$$a + 12 = b$$
$$c = 2b$$

Step 1: Find the value of a by dividing 50 by 5. The value of a is 10.
Step 2: Substitute the value of a into the next problem to get 10 + 12 = b.
Step 3: Find the value of b by adding 10 and 12. So the value of b is 22.

Step 4: Substitute the value of b into the next problem, c = 2b. Since a number and a variable next to each other means multiplication, you get c = 2 times 22.

Step 5: Find the value of c by multiplying 22 by 2. So, the value of c is 44.

You will keep taking the answer you get in one problem and use it in the next problem, all the way to z!

You may get a decimal or fraction, but if numbers are getting really messy, you may want to go back and check your previous answers. You will receive one point for each correct answer. If you braille an answer incorrectly, space and braille the correct answer. Only your last answer will be scored. You will be allowed exactly 30 minutes for this round. Please stop when I indicate that your time is up.