

North South Foundation
2026 Regional Contest – *Sample Test Paper*
Math Bee - Level 2

First Name: _____ Last Name: _____

Grade: _____ Badge Number: _____

INSTRUCTIONS

- Section A (Questions 1-20): Multiple Choice. Choose the correct answer (A, B, C, or D) and mark it on the Answer Sheet.
 - Section B (Questions 21-30): Free Response. Solve the problem and write the final answer on the Answer Sheet.
 - Total Time Limit: 40 Minutes.
 - Calculators, books, phones, or aids are not allowed to be used during the contest.
 - Scoring: Each correct answer receives one point. No partial credit is given.
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SECTION A: MULTIPLE CHOICE (20 Questions)

1) Calculate: $(100-1) + (101-2) + (102-3) + (103-4) = 400 - ?$

- A) 0
- B) 3
- C) 4
- D) 1

2) Twice my house number, plus 7 is 83. What is my house number?

- A) 38
- B) 42
- C) 45
- D) 76

3) The sum of two numbers is 84. The larger number is 3 times the smaller number. What is the smaller number?

- A) 21
- B) 28
- C) 42
- D) 63

4) Which of the following is an irrational number?

- A) $\sqrt{9}$
- B) $\sqrt{2}$
- C) 0.33...
- D) $-2/3$

5) The product of 2 prime numbers is 10. What is their sum?

- A) 3
- B) 7
- C) 11
- D) 15

6) Megan is organizing 5,456 blocks into bins at the toy store. He needs to put the same number of blocks in each bin without any leftover blocks. How many bins could Megan use for the blocks?

- A) 10
- B) 9
- C) 4
- D) 6

7) A survey of 100 students showed that 45 prefer Science, 30 prefer Math, and 15 prefer both. How many students prefer neither?

- A) 15
- B) 20
- C) 25
- D) 40

8) What is the area of a trapezoid with height 4 inches and bases 5 inches and 7 inches?

- A) 12 sq in
- B) 24 sq in
- C) 35 sq in
- D) 48 sq in

9) Which of the following numbers is smallest?

- A) 0.4
- B) 0.04
- C) $\frac{8}{20}$
- D) $\frac{40}{100}$

10) A clock is set to the correct time at 12:00 PM. It loses 5 minutes every hour. What time will the clock show at 12:00 PM the next day?

- A) 10:00 AM
- B) 10:40 AM
- C) 11:40 AM
- D) 12:40 PM

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SECTION B: FREE RESPONSE (10 Questions)

21) Calculate: $9 - 3 \div \frac{1}{3} + 1$

22) Express the following sum as a mixed number: $\frac{3}{5} + \frac{5}{3}$.

23) What is the greatest common factor (GCF) of (24, 36, 60)?

24) A man had 50 apples. He sold $\frac{2}{5}$ of them on Monday and $\frac{1}{5}$ of the remaining apples on Tuesday. How many apples does he have left?

25) What is the value of $\frac{2}{3} \times \frac{4}{5} \div \frac{1}{2}$?

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STUDENT ANSWER SHEET

ZIPGRADE.COM

Name

Contest

Badge #

1

A

B

C

D

E

21

C

X

2

A

B

C

D

E

22

C

X

3

A

B

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23

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E

OFFICIAL USE ONLY

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ANSWER KEY

Section A

1. C
2. A
3. A
4. B
5. B
6. C
7. D
8. B
9. B
10. A

Section B

21. 1

22. 2 and $\frac{4}{15}$

23. 12

24. 24 apples

25. $\frac{16}{15}$ (or 1 and $\frac{1}{15}$)

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