

4th Grade
Math is Cool Online Contest
May 19, 2020

General Instructions

- Put your 5-digit ID and Name on ALL submissions
- All short answers are numbers:
 - No units, no AM/PM, no commas, no fractions, no % sign
 - Decimals (1.02) OK.
 - For negative numbers, no spaces between minus sign and numbers.
- Multiple Choice Answers
 - Choose: A, B, C, D, E from drop-down Menu
 - To change back to Blank, pick 'Choose'
- No written work on Mental Math, other tests OK.
- No outside help (except for computer issues)
- Go to: <http://academicsarecool.com/4th/>

Mental Math

- NO written work!
- Open the Answer Sheet and enter your ID and Name.
- Do the problem in your head and put your answer on the answer sheet.
- Each question will be read three times and then we'll wait thirty seconds before the next question.

Mental Math

QUESTION

01

Mental Math

QUESTION

02

Mental Math

QUESTION

03

Mental Math

QUESTION

04

Mental Math

QUESTION

05

Mental Math

QUESTION

06

Mental Math

QUESTION

07

Mental Math

QUESTION

08

Mental Math

- Press 'SUBMIT' to send you answers

Individual Test

- OK to use paper and pencil!
- Open the Answer Sheet and enter your ID and Name.
- You will have 35 minutes for the test.
- When the Moderator says 'GO', download the test and begin.

- NOTE:

- During the test you may press 'SUBMIT' and then [Edit your response](#) to complete the test.

Individual Test

- STOP
- Finish entering answer and press 'SUBMIT'

Team Multiple Choice Test

- Team members may work together on the rest of the tests.
- Choose a Team leader to submit the answers.
- Open the Answer Sheet and enter your ID and Name.
- Remember you may change your answer back to Blank by selecting 'Choose'
- You will have 15 minutes for this test.
- When the Moderator says 'GO', download the test and begin.
- **NOTE:**
- **Only the first submission from a Team will count!**

Team Multiple Choice Test

- STOP
- Be sure and 'SUBMIT' your answer sheet!

Team Test

- Choose a Team leader to submit the answers.
- Open the Answer Sheet and enter your ID and Name.
- You will have 15 minutes for this test.
- When the Moderator says 'GO', download the test and begin.

- NOTE:

- Only the first submission from a Team will count!

Team Test

- STOP
- Be sure and 'SUBMIT' your answer sheet!

College Bowl

- You will need a new Answer Sheet for each question you want to answer.
- Open an Answer Sheet and enter your ID and Name.
- Also add the Round and Question numbers.
- Each question will be displayed for 45 seconds
- For each question, the first 2/3 of the teams with correct answers will receive a point.
- You will NOT be able to change and re-submit your answer.
- **NOTE:**
- **Only the first submission from a Team on each question will count!**

College Bowl

- Round 1
- Question 1

Get Ready

College Bowl

- Round 1
- Question 1

Camille hikes three miles every hour. How many hours does it take for her to hike twenty-one miles?

College Bowl

- Round 1
- Question 2

Get Ready

College Bowl

- Round 1
- Question 2

What is the perimeter of a hexagon with side lengths of eight?

College Bowl

- Round 1
- Question 3

Get Ready

College Bowl

- Round 1
- Question 3

What is fifteen-twentieths written as a decimal?

College Bowl

- Round 1
- Question 4

Get Ready

College Bowl

- Round 1
- Question 4

How many sides does a dodecagon have?

College Bowl

- Round 1
- Question 5

Get Ready

College Bowl

- Round 1
- Question 5

What is the positive square root of thirty-six?

College Bowl

- Round 1
- Question 6

Get Ready

College Bowl

- Round 1
- Question 6

What is seventy percent of sixty?

College Bowl

- Round 1
- Question 7

Get Ready

College Bowl

- Round 1
- Question 7

Dobby has a basket with 6 red socks, 7 yellow socks, 12 green socks, and 3 white socks. The lights are out and he cannot see anything. How many socks would he need to take from the basket to be guaranteed to have two socks of the same color?

College Bowl

- Round 1
- Question 8

Get Ready

College Bowl

- Round 1
- Question 8

How many edges does a cube have?

College Bowl

- Round 1
- Question 9

Get Ready

College Bowl

- Round 1
- Question 9

How many degrees will the hour hand of an analog clock move between noon and 3 pm on the same afternoon?

College Bowl

- Round 1
- Question 10

Get Ready

College Bowl

- Round 1
- Question 10

What is the area of triangle with a base of four and a height of five?

College Bowl

- Round 2
- Question 1

Get Ready

College Bowl

- Round 2
- Question 1

What is the positive difference between five hundred four and two hundred eighty-seven?

College Bowl

- Round 2
- Question 2

Get Ready

College Bowl

- Round 2
- Question 2

Phyllis has three dollars to spend on candy. If each piece of candy costs fifteen cents, how many pieces can she buy?

College Bowl

- Round 2
- Question 3

Get Ready

College Bowl

- Round 2
- Question 3

How many prime numbers are between zero and twenty?

College Bowl

- Round 2
- Question 4

Get Ready

College Bowl

- Round 2
- Question 4

An outfit consists of a shirt, pants, and shoes. If Biff has 10 shirts, 7 pairs of pants, and 2 pairs of shoes, how many different combinations of outfits are possible?

College Bowl

- Round 2
- Question 5

Get Ready

College Bowl

- Round 2
- Question 5

What is the area of a rectangle with side lengths of fourteen and twenty-two?

College Bowl

- Round 2
- Question 6

Get Ready

College Bowl

- Round 2
- Question 6

Find the average of the following set of numbers:

14, 8, 17, 15, 11.

College Bowl

- Round 2
- Question 7

Get Ready

College Bowl

- Round 2
- Question 7

Owen has forty-three pencils. He decides to give two pencils away to everyone in his class and keep 2 pencils for himself. If his class has a total of twenty-seven students, how many more pencils will he have to buy?

College Bowl

- Round 2
- Question 8

Get Ready

College Bowl

- Round 1
- Question 8

How many pints are in two gallons?

College Bowl

- Round 2
- Question 9

Get Ready

College Bowl

- Round 2
- Question 9

Eho is 4 feet 9 inches tall, and Biff is 5 feet 7 inches tall. How many inches taller is Biff than Eho?

College Bowl

- Round 2
- Question 10

Get Ready

College Bowl

- Round 2
- Question 10

What is the largest three-digit number?

College Bowl

- Round 3
- Question 1

Get Ready

College Bowl

- Round 3
- Question 1

What is the quotient of seventy-two and six?

College Bowl

- Round 3
- Question 2

Get Ready

College Bowl

- Round 3
- Question 2

What is the positive difference between twenty-three and seventy-seven?

College Bowl

- Round 3
- Question 3

Get Ready

College Bowl

- Round 3
- Question 3

Patrick's favorite number is half of Gina's number.
Gina's favorite number is half of twenty-four.
What is Patrick's favorite number?

College Bowl

- Round 3
- Question 4

Get Ready

College Bowl

- Round 3
- Question 4

You are buying pencils for your Math Is Cool team. Each of the 26 members of your team needs 4 pencils. If pencils come in boxes of 20 pencils each. How many boxes of pencils do you need to buy?

College Bowl

- Round 3
- Question 5

Get Ready

College Bowl

- Round 3
- Question 5

What is the product of fifteen and eighty-five?

College Bowl

- Round 3
- Question 6

Get Ready

College Bowl

- Round 3
- Question 6

What is the greatest common factor between seventy-seven and fifty-six?

College Bowl

- Round 3
- Question 7

Get Ready

College Bowl

- Round 3
- Question 7

How many diagonals does a trapezoid have?

College Bowl

- Round 3
- Question 8

Get Ready

College Bowl

- Round 3
- Question 8

What is the degree measure of the angle complementary to sixty-seven degrees?

College Bowl

- Round 3
- Question 9

Get Ready

College Bowl

- Round 3
- Question 9

What is the product of 73 divided by 100 written as a decimal?

College Bowl

- Round 3
- Question 10

Get Ready

College Bowl

- Round 3
- Question 10

What is the sum of the digits in two-thousand-twenty?

ALL DONE!

- Thank you for participating