### **ROUND ROBIN 2**

## TOSS-UP

Marithle Mar Hr ' & PR 1) MATH Short Answer The sum of all the interior angles of a triangle equals how many degrees? Matitude Art 18 18 Marithus Market 18 180

Matinta 新春 华 溪 序 ANSWER: 180°

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### **BONUS**

Marithus Market 18 180 1) MATH Short Answer What is the total angular distance in degrees over a sphere?

ANSWER: 360°

### **TOSS-UP**

- 2) LIFE SCIENCE Multiple Choice During the life-cycle of amphibians, which is not a means through which respiration can occur?
- W) lungs
- X) air bladder
- Y) gills
- Z) skin

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ANSWER: X) AIR BLADDER

### **BONUS**

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2) LIFE SCIENCE *Short Answer* In many arthropods, the segments of the body are grouped into 3 distinct parts. Name all three parts: into 3 distinct parts. Name all three parts:

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ANSWER: HEAD, THORAX, AND ABDOMEN

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- 3) PHYSICAL SCIENCE Multiple Choice The electrical potential or power of a battery is an expression of its:
- W) amperage

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Y.

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- X) resistance
- Y) conductivity
- Z) voltage

ANSWER: Z) VOLTAGE

### **BONUS**

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- 3) PHYSICAL SCIENCE Multiple Choice A typical pair of scissors would be considered:
- W) a class one lever
- X) a class 2 lever
- Y) a class 3 lever
- Z) a form of inclined plane

ANSWER: W) A CLASS ONE LEVER

### TOSS-UP

4) GENERAL SCIENCE *Short Answer* How many milliliters are in a liter?

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ANSWER: 1000

# BONUS

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- Maritha Mar At ' & PR 4) GENERAL SCIENCE Multiple Choice The Moon orbits the earth about once every:
  - W) year
  - X) day

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- Y) month
- Z) century

ANSWER: Y) MONTH

- 5) MATH *Multiple Choice* The number 0.13 is written with a bar drawn over the last two digits. This means that:
  - W) the number terminates at 3
  - X) the pair of digits 13 repeats forever
  - Y) the number 3 repeats forever
  - Z) the number is negative

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1

Y.

ANSWER: X) THE PAIR OF DIGITS 13 REPEATS FOREVER

### **BONUS**

5) MATH Short answer The following number in Roman numerals is equivalent to what decimal number: CLXXXXIX

ANSWER: 199 mytitute \*\* \*\* Military With # 13

### **TOSS-UP**

- 6) EARTH SCIENCE Multiple Choice About what percentage of the Earth surface is covered Milling 新春 · 養 · 豫 So St. Ak Tilk Militallill Millima Mark 18 182 by water?
- W) 33%
- X) 41%
- Y) 56%
- Z) 71%

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ANSWER: Z) 71%

# Maritule ## # 18 180

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Acitute Mark is 180 6) EARTH SCIENCE Short Answer Name the equinoxes when day and night are of equal length around the world:

ANSWER: AUTUMNAL AND VERNAL EQUINOXES

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7) PHYSICAL SCIENCE Multiple Choice Which of the following metals is attracted to a magnet?

Militate Mark 18 180

W) gold

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Y.

- X) silver
- Y) iron
- Z) aluminum

ANSWER: Y) IRON

### **BONUS**

- 7) PHYSICAL SCIENCE Multiple Choice The reaction of hydrocarbons found in such things as wood and paper with oxygen to produce carbon dioxide, water and heat is called:
- W) fission
- X) fusion
- Y) endothermic
- Z) combustion

ANSWER: Z) COMBUSTION

8) EARTH SCIENCE *Multiple Choice* Metamorphism transforms limestone into a metamorphic rock called:

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- W) quartzite
- X) marble
- Y) hornfel
- Z) granite

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ANSWER: X) MARBLE

### **BONUS**

8) EARTH SCIENCE Short Answer What are the icicle-shaped deposits of limestone hanging from the roof of a cave called:

ANSWER: STALACTITES

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- 9) LIFE SCIENCE Multiple Choice Which of the following is the region of the body where the stapes bone is located:
- W) ankle
- X) ear 🚜

Y.

PA.

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W.

1

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1

Y.

- Y) wrist
- Z) knee

ANSWER: X) EAR

### **BONUS**

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9) LIFE SCIENCE Short Answer Sharks belong the class Chondricthyes because they have a skeleton made of what substance?

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ANSWER: CARTILAGE

### TOSS-UP

10) GENERAL SCIENCE Short Answer Engineers in the USA often report pressure in PSI's. What does the abbreviation PSI stand for? Marithus Mar # 18 180 Molitule Mi At '3 18

ANSWER: POUNDS per SQUARE INCH

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### **BONUS**

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10) GENERAL SCIENCE Multiple Choice Which planet does not have an element named after it? after it?

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- W) Uranus
- X) Mars
- Y) Mercury
- Z) Pluto

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ANSWER: X) MARS

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- 11) MATH Multiple Choice A parallelogram whose adjacent sides are unequal is a:
  - W) deltoid

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Y.

- X) rectangle
- Y) rhomboid
- Z) monogram

ANSWER: Y) RHOMBOID

### **BONUS**

Maritule Mar # 18 180 11) MATH Short Answer Solve the following equation: 9x - 13 = 14

ANSWER: 3

### TOSS-UP

12) GENERAL SCIENCE *Short Answer* On the Centigrade temperature scale give the whole number value that is the closest to absolute zero.

ANSWER: MINUS 273

### **BONUS**

12) GENERAL SCIENCE Multiple Choice Which of the following is NOT seen by reflection Myithin 教教教·婆·家 Militate ## # 18 18 W) the moon
X) Mercury of sun light:

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- Y) Mars

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Z) the north star

ANSWER: Z) THE NORTH STAR

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Marithus Market 18 180

Mulitude Mar by 13 1980 13) PHYSICAL SCIENCE Multiple Choice Metals that can be hammered into thin sheets are called:

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- W) malleable
- X) ductile

Mylithe # 3

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Y.

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W.

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1

Ph.

Y.

- Y) molten
- Z) pure

ANSWER: W) MALLEABLE

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## BONUS

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13) PHYSICAL SCIENCE Short Answer A white-colored object illuminated by a blue light will appear as what color to the human eye?

ANSWER: BLUE

## Militally Mar # 13 182 TOSS-UP

- 14) LIFE SCIENCE Multiple Choice Which of the following is an intracellular parasite: This itute the state of the sta
- W) malaria
- X) sleeping sickness
  - Y) tapeworm
  - Z) shigella

ANSWER: W) MALARIA

### **BONUS**

14) LIFE SCIENCE Multiple Choice In mammals, what teeth are evolved primarily to function Molitule At 18 18 Milling 新春 · 接 「然 moritule the the is the Militate Mark to 18 180 in gripping and tearing

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- W) incissors
- X) canines
- Y) molars
- Z) wisdom

ANSWER: X) CANINES

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- 15) EARTH SCIENCE Multiple Choice Each day, most coastal beaches encounter:
  - W) one high tide and one low tide
  - X) two high tides and one low tide
  - Y) two high tides and two low tides
  - Z) three high tides and three low tides

ANSWER: Y) TWO HIGH TIDES AND TWO LOW TIDES

### **BONUS**

- Minitially Market 18 180 15) EARTH SCIENCE Multiple Choice Which of the following is a metamorphic rock:
- W) sandstone
- X) granite

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Y.

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Y.

Y.

- Y) quartz
- Z) marble

ANSWER: Z) MARBLE

### **TOSS-UP**

16) MATH *Short Answer* What is the cube root of 8?

ANSWER: 2

### **BONUS**

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16) MATH Short Answer Solve the following equation: 3x + 15 = -12

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ANSWER: -9

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17) GENERAL SCIENCE Short Answer At its greatest possible brightness, which is the brightest planet in the night sky?

**ANSWER: VENUS** 

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Y.

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Ph.

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1

Y.

Y.

# BONUS

17) GENERAL SCIENCE *Multiple Choice* The largest of the suns planets are:

- W) Venus and Mars
- X) Jupiter and Saturn
- Y) Neptune and Pluto
- Z) Mercury and Uranus

ANSWER: X) JUPITER AND SATURN

## TOSS-UP TOSS-UP

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- 18) EARTH SCIENCE Multiple choice By our current estimations, the Earth is approximately how many billions of years old:
- W) 8.4 %
- X) 6.2
- Y) 4.6
- Z) 2.4

ANSWER: Y) 4.6

# BONUS

- 18) EARTH SCIENCE Multiple Choice The Earth's mantle is approximately how many miles thick: Ministration of the state of th Mikituto Make 18 18 Mulitute At At 18 18 Militale Market 18 18
- W) 1000
- X) 1200
- Y) 1500
- Z) 1800

ANSWER: Z) 1800

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- 19) LIFE SCIENCE Multiple Choice Which of these organisms in not a kind of worm?

  W) planerian
  - W) planerian
  - X) fluke

Y.

Y.

Y.

PA.

W.

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W.

- Y) leech

ANSWER: Z) CENTIPEDE

### **BONUS**

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19) LIFE SCIENCE Short Answer What is the common specific name for the bond that joins two amino acids to form a growing protein:

Milling 新菜菜家 ANSWER: PEPTIDE BOND Maritude Mark '\$

### TOSS-UP

- Mariting Mark & PR 20) MATH Multiple Choice Four divided by zero is:
- (W) 4
  - X) undefined
  - Y) 0
  - Z) infinity

ANSWER: X) UNDEFINED

Stitute # # # 18 PR

Milita Mi H & PR 20) MATH Short Answer Find the value of  $x^2 - y^2$  when x = -5 and y = -2:

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ANSWER: 21

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21) PHYSICAL SCIENCE Short Answer What is the common scientific term for the ratio of the density of a material to that of water at 4°c

ANSWER: SPECIFIC GRAVITY

21) PHYSICAL SCIENCE Multiple Choice Starch is made of what simple sugar?

W) fructose

Marithus Mar of 18 180

Y.

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Y.

Ph.

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W.

- X) mannose
- Y) glucose
- Z) ribose

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ANSWER: Y) GLUCOSE

### TOSS-UP

22) EARTH SCIENCE Short Answer A large mass of ice, formed on land by the compaction and recrystallization of snow, that is moving downhill or outward under the force of gravity is called:

ANSWER: A GLACIER

### **BONUS**

22) EARTH SCIENCE Multiple Choice A flat-topped plateau bordered on all sides by cliffs is called a:

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- W) hillock
- X) butte
- Y) drumlin
- Z) karst

ANSWER: X) BUTTE William Whit he is the dilule the the light of the lig Militation # # 18 18

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23) GENERAL SCIENCE Short Answer How many microgams are in a single milligram?

ANSWER: 1000

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Y.

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W.

### **BONUS**

- 23) GENERAL SCIENCE Multiple Choice The moon moves around the earth traveling primarily:
- W) east to west
- X) north to south
- Y) west to east
- Z) south to north

ANSWER: Y) WEST TO EAST

# TOSS-UP

mytitute the the training of t 24) MATH Short Answer If  $a \neq 0$  (read as: a does not equal 0), what is the multiplicative inverse of *a*? Marithus Market 18 180 Mylithite ## # 18 PK Marithus 教育 养 · 漢 序》

ANSWER:

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24) MATH Short Answer What is the square root of 169?

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ANSWER: 13

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25) EARTH SCIENCE Multiple choice The Tropic of Cancer lies at which of the following latitudes:

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W) 23 1/2° North

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W.

- X) 23 ½° South
- Z) 26 ½° South

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ANSWER: W) 23 1/2° NORTH

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### **BONUS**

25) EARTH SCIENCE Short Answer Magma that reached the Earth's surface is called what? Marith Mar H & PR Implitute 素素 ·養 序》 motivite # 14 18 Mythun 新春春養際

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Mything the state of the state ANSWER: LAVA Military XX