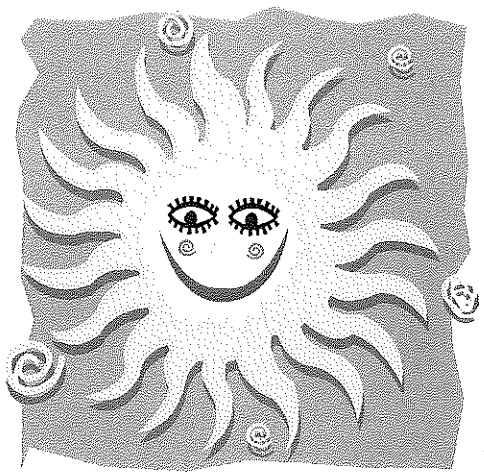
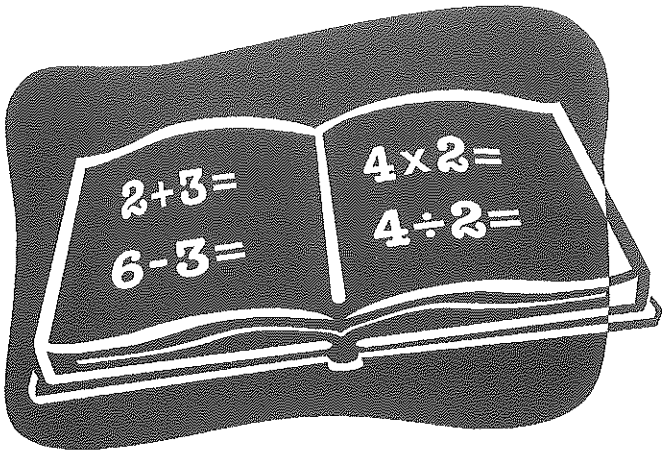


Summer Math Packet

Incoming Grade 6 Students



Student Name: _____

Perth Amboy Public School Summer 2019

Perth Amboy
Public Schools

June, 2019

Dear Parents, Guardians, and Students,

Perth Amboy Public Schools is committed to promoting Mathematics throughout the summer months in order to enhance each student's mathematical proficiency and to further develop their mathematical understanding. Although your child has acquired new skills during this school year, he/she may lose ground if a review of the grade level concepts and skills does not continue over the summer!

This summer, your child is being asked to complete the attached summer Math packet. Completion of the summer math packet will result in extra credit points to begin the year! The summer Math packet will be due by **September 20, 2019**. Your child's teacher will discuss, collect, and assess the summer assignment.

Parents are strongly encouraged to work with their children on these packets. When parents stay closely involved in their child's academic life, positive results can be sure to follow. Let's work together – as parent, teacher, and student – to ensure a productive beginning to a successful school year this fall.

Have a safe, happy, and healthy summer!

Regards,

The Perth Amboy Middle School Math Team

Perth Amboy
Public Schools

Junio 2019

Estimados Padres, Guardianes y Estudiantes,

El distrito escolar de Perth Amboy se ha comprometido a mejorar la área de las matemáticas durante los dos meses de verano con el fin de aumentar las destrezas matemáticas de cada estudiante y para desarrollar aún más la capacidad de su entendimiento de las matemáticas por toda la vida. Recuerde que, aunque el niño ha adquirido nuevas habilidades durante este año escolar, él / ella puede perder destrezas si no continúa repasando durante el verano!

Este verano, ***se le pide a su hijo(a) que complete el paquete de matemáticas incluido con esta carta***. ¡La asignación completa resultará en puntos extra para comenzar el año escolar! El paquete de matemáticas se tiene que entregar el **20 de septiembre de 2019**. El maestro de su hijo/a va a evaluar la asignación de verano.

Les sugerimos a los padres que por favor ayuden a sus hijos. Cuando los padres estan invuelto en la vida académica de sus hijos, ellos tiene mas posibilidades de tener resultados positivos. Vamos a trabajar juntos – como padre, maestro y estudiante - para asegurar un principio productivo para el año escolar.

¡Tengan un verano seguro, feliz y saludable!

Un cordial saludo,

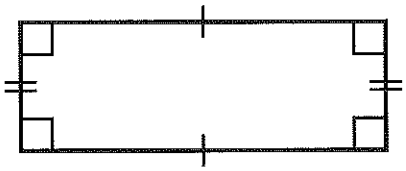
El Equipo de Matemáticas de la Escuela Intermedia del Districto de Perth Amboy

Name _____ Date _____

Mathematics Summer Work 2019 *(Incoming 6th Grade)*

Read each question. Fill in the correct answer.

1. What are all of the ways in which the figure can be classified?



Ⓐ quadrilateral, parallelogram
Ⓑ quadrilateral, parallelogram, square, rectangle
Ⓒ quadrilateral, parallelogram, square, rhombus, rectangle
Ⓓ quadrilateral, parallelogram, rectangle

2. Lani represented the length of a beetle (centimeters) in expanded notation.

$3 \times 1 + \left(4 \times \frac{1}{100}\right) + \left(5 \times \frac{1}{1{,}000}\right)$

What is this number in standard form?

Ⓕ 0.345
Ⓖ 3.0405
Ⓗ 3.045
Ⓘ 3.45

3. A company assembles marble bags with 18 marbles to a bag. About how many bags does the company need for 730 marbles?

Ⓐ 80 bags
Ⓑ 50 bags
Ⓒ 40 bags
Ⓓ 30 bags

4. Erin hiked 5.6 miles in the morning and 4.25 miles in the afternoon. How many miles did she hike in all?

Ⓕ 1.35 miles
Ⓖ 1.45 miles
Ⓗ 9.31 miles
Ⓘ 9.85 miles

5. The most visitors to Yosemite National Park in one year is 4,190,557. What is the value of the digit 9 in this number?

Ⓐ 900,000
Ⓑ 90,000
Ⓒ 900
Ⓓ 90

6. A deli made $1,080 on 24 deluxe platters. How much money would the deli make on 35 deluxe platters?

Ⓕ $1,575
Ⓖ $1,555
Ⓗ $1,475
Ⓘ $1,455

GO ON▶

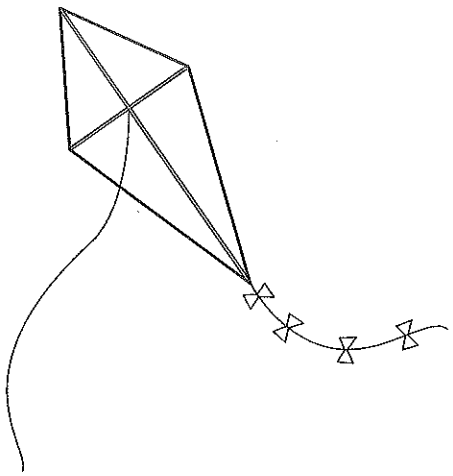
Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

7. Omar pours $\frac{2}{3}$ cup of juice each morning for himself and his two brothers. How many quarts of juice does he use in 30 days?

Ⓐ $7\frac{1}{2}$ quarts
Ⓑ 15 quarts
Ⓒ 20 quarts
Ⓓ 30 quarts

8. A kite maker uses 125 feet of string for each kite he makes. How many feet of string does he need for 75 kites?

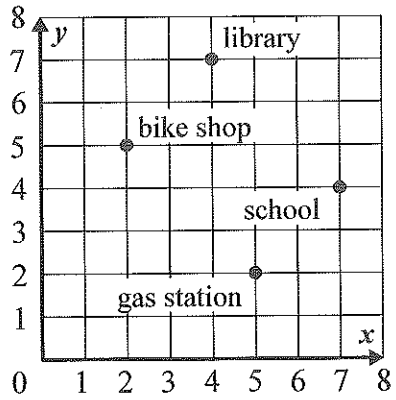


Ⓕ 8,055 ft
Ⓖ 8,275 ft
Ⓗ 9,075 ft
Ⓘ 9,375 ft

9. A recipe for apricot stuffing calls for $1\frac{1}{2}$ pounds of apricots. If Gracie increases the recipe $2\frac{1}{2}$ times, how many pounds of apricots will she need?

Ⓐ $7\frac{1}{2}$ pounds
Ⓑ 4 pounds
Ⓒ $3\frac{3}{4}$ pounds
Ⓓ 2 pounds

10. Which place is located at (4, 7)?



Ⓕ bike shop
Ⓖ gas station
Ⓗ library
Ⓘ school

GO ON▶

Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

11. Chloe recorded the lengths of several walking stick insects.

Walking Stick	Length (cm)
A	10.24
B	11.1
C	10.2
D	11.05

Which list shows the lengths in order from *least* to *greatest*?

Ⓐ 10.24, 10.2, 11.1, 11.05
Ⓑ 10.2, 10.24, 11.05, 11.1
Ⓒ 10.24, 10.2, 11.05, 11.1
Ⓓ 11.1, 11.05, 10.24, 10.2

12. Mrs. Hinshaw used $2\frac{3}{4}$ pounds of asparagus and $4\frac{1}{8}$ pounds of shrimp to make stir fry. How many more pounds of shrimp did she use than asparagus?

Ⓕ $1\frac{3}{8}$ pounds
Ⓖ $1\frac{1}{2}$ pounds
Ⓗ $1\frac{3}{4}$ pounds
Ⓘ $2\frac{3}{8}$ pounds

13. The typical mass of a bullfrog is 0.5 kilogram. What is the mass of 3 bullfrogs in grams?

Ⓐ 1.5 grams
Ⓑ 15 grams
Ⓒ 150 grams
Ⓓ 1,500 grams

14. Two packages weigh 3.92 pounds and 2.8 pounds. How many times heavier is the first package than the second?

Ⓕ 0.7 times
Ⓖ 1.12 times
Ⓗ 1.4 times
Ⓘ 1.84 times

15. Davis wants to pour 5 gallons of punch into $\frac{1}{2}$ gallon jugs. How many jugs will he need?

Ⓐ $2\frac{1}{2}$
Ⓑ $5\frac{1}{2}$
Ⓒ 10
Ⓓ 15

GO ON ▶

Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

16. Angelo used contact paper to cover shelves in a pantry and cupboard. He used $\frac{2}{3}$ of a roll for the cupboard and $\frac{5}{6}$ of a roll for the pantry. How much more contact paper did he use for the pantry?

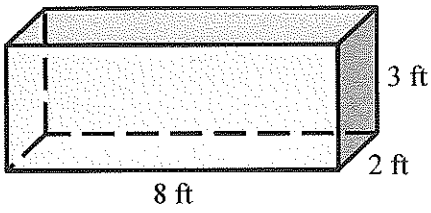
Ⓕ $\frac{1}{6}$ roll

Ⓖ $\frac{1}{3}$ roll

Ⓗ $\frac{1}{2}$ roll

Ⓘ $\frac{2}{3}$ roll

17. Audrey bought a cedar chest to store her sweaters. What is the volume of the cedar chest?



Ⓐ 18 ft^3

Ⓑ 26 ft^3

Ⓒ 38 ft^3

Ⓓ 48 ft^3

18. A pet store sold 8 hamsters for $10 each and 8 mice for $3 each. Which numerical expression represents this situation?

Ⓕ $8 + 10 \times 8 + 3$

Ⓖ $(8 \times 10) \times (8 \times 3)$

Ⓗ $8 \times 8\ (10 + 3)$

Ⓘ $(8 \times 10) + (8 \times 3)$

19. An airline had 9,453,607 passengers in September. It had fewer passengers in November. Which could be the number of passengers in November?

Ⓐ 9,481,886

Ⓑ 9,454,647

Ⓒ 9,446,879

Ⓓ 9,504,903

20. Grady bought some fish for $17.43 and some fish food for $3.86. About how much more did Grady spend on the fish than on the fish food?

Ⓕ $12

Ⓖ $13

Ⓗ $15

Ⓘ $21

Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

21. Michaela wrote her name in block letters. She colored $\frac{3}{4}$ of the letters pink. She drew green dots on $\frac{1}{2}$ of the pink letters. What fraction of the letters is pink with green dots?

Ⓐ $\frac{1}{4}$

Ⓑ $\frac{3}{8}$

Ⓒ $\frac{6}{8}$

Ⓓ $\frac{5}{4}$

22. Ricardo spends $2\frac{2}{3}$ hours practicing soccer on Mondays and Wednesdays. He spends $1\frac{3}{4}$ hours practicing soccer on Tuesdays, Thursdays, and Fridays. How many hours in all does Ricardo spend practicing soccer?

Ⓕ $8\frac{11}{12}$ hours

Ⓖ $9\frac{3}{4}$ hours

Ⓗ $10\frac{7}{12}$ hours

Ⓘ $11\frac{1}{2}$ hours

23. Mr. Sims wants to buy fencing for a square lot that is 30.5 feet on each side. How many feet of fencing does he need?

Ⓐ 61 feet

Ⓑ 120.5 feet

Ⓒ 122 feet

Ⓓ 930.25 feet

24. A gym equally divided 330 towels so that each swimmer in a meet would get 4 towels. How many swimmers are at the meet?

Ⓕ 80 swimmers

Ⓖ 82 swimmers

Ⓗ 83 swimmers

Ⓘ 84 swimmers

25. Two sides of a triangular sign are 24 inches long. The third side is of 18 inches long. What is the perimeter the sign in feet?

Ⓐ $3\frac{1}{2}$ feet

Ⓑ 4 feet

Ⓒ $4\frac{1}{3}$ feet

Ⓓ $5\frac{1}{6}$ feet

GO ON ▶

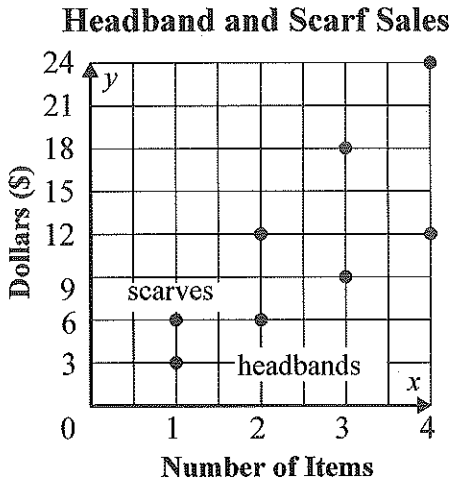
Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

26. Cabins at a resort can sleep up to 48 guests. How many guests can 14 cabins sleep?

Ⓕ 542 guests
Ⓖ 572 guests
Ⓗ 672 guests
Ⓘ 682 guests

27. Mei sells headbands for $3 each and scarves for $6 each. The graph shows the dollar sales for each number of item.



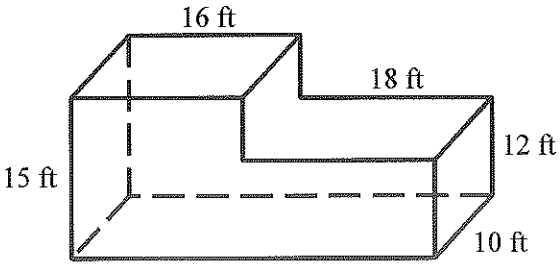
How much more does Mei make selling scarves than headbands?

Ⓐ twice as much
Ⓑ three times as much
Ⓒ from 2 to 3 times as much
Ⓓ $12 more for each scarf

28. The length of a robin's egg is 23.05 millimeters (mm). The length of a wren's egg is 20.85 millimeters. How much longer is the robin's egg?

Ⓕ 2.2 mm
Ⓖ 2.75 mm
Ⓗ 3.2 mm
Ⓘ 3.8 mm

29. What is the volume of the storage building?



Ⓐ 2,400 ft^3
Ⓑ 4,160 ft^3
Ⓒ 4,460 ft^3
Ⓓ 4,560 ft^3

_1 pound. How many ounces does a bag of 8 medium apples weigh?

30. A medium apple weighs about $\frac{1}{4}$ pound.

How many ounces does a bag of 8 medium apples weigh?

Ⓕ 64 ounces
Ⓖ 32 ounces
Ⓗ 16 ounces
Ⓘ 2 ounces

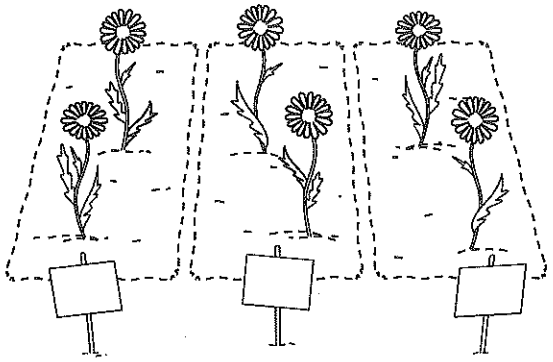
Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

31. Casey feeds her pot-bellied pig $1\frac{1}{3}$ cups of feed each day. How many cups of feed does her pig eat in 14 days?

Ⓐ $4\frac{2}{3}$ cups
Ⓑ $14\frac{2}{3}$ cups
Ⓒ $18\frac{2}{3}$ cups
Ⓓ $23\frac{1}{3}$ cups

32. Adam divided his garden into 3 equal sections. The total area of the garden is 49.2 square feet. What is the area of each section?



Ⓕ 8.2 square feet
Ⓖ 13.9 square feet
Ⓗ 14.8 square feet
Ⓘ 16.4 square feet

33. A hatchling Burmese python is 0.6 meter long. It can grow to be as long as 7 meters. If the hatchling grows to 7 meters, how many centimeters does it grow?

Ⓐ 700 centimeters
Ⓑ 640 centimeters
Ⓒ 70 centimeters
Ⓓ 64 centimeters

34. What is the value of the expression?

$10 + 5 \times \{12 \div [(9 - 7) \times 3]\}$

Ⓕ 20
Ⓖ 30
Ⓗ 100
Ⓘ 270

35. Six pancakes have 72 grams (g) of carbohydrates. How many grams of carbohydrates are in one pancake, on average?

Ⓐ 12 g
Ⓑ 66 g
Ⓒ 78 g
Ⓓ 432 g

GO ON ▶

Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

36. In a class vote on favorite vegetables, $\frac{5}{12}$ of the students voted for corn and $\frac{5}{12}$ voted for carrots. What fraction of the class did **not** vote for corn or carrots?

Ⓕ $\frac{1}{6}$

Ⓖ $\frac{1}{2}$

Ⓗ $\frac{2}{3}$

Ⓘ $\frac{5}{6}$

37. Bobbie is getting ready for a marathon. She ran a total of 600 miles in the past 50 days. How many miles did she run each day on average?

Ⓐ 10 miles

Ⓑ 12 miles

Ⓒ 14 miles

Ⓓ 120 miles

38. A grey whale's mass is about 85 kilograms. What is its mass in grams?

Ⓕ 8,500 g

Ⓖ 85,000 g

Ⓗ 850 g

Ⓘ 58,000 g

39. In Kip's class, $\frac{3}{20}$ of the students are wearing sandals. What is this fraction written as a decimal?

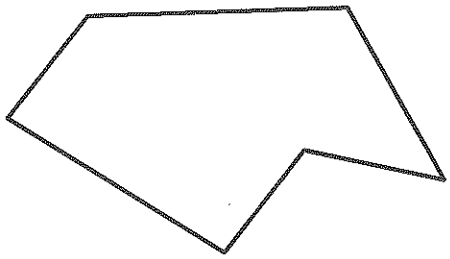
Ⓐ 0.32

Ⓑ 0.3

Ⓒ 0.15

Ⓓ 0.105

40. What is the name of the polygon?



Ⓕ quadrilateral

Ⓖ pentagon

Ⓗ octagon

Ⓘ hexagon

Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

41. Jordan saved the same amount of money each week for 7 weeks to pay for summer camp. He saved $441 in all. The camp costs $245 with another $5 per day for activity fees. How much did Jordan save each week?

Ⓐ $28
Ⓑ $49
Ⓒ $63
Ⓓ $98

42. Ethan bought 2 action figures for $25 each at a science fiction fair. He won an auction for a plastic sword, and he got a deal on 5 comic books for $9 each. He spent $102 altogether. How much did Ethan pay for the plastic sword?

Ⓕ $7
Ⓖ $16
Ⓗ $27
Ⓘ $32

43. Jacqui has $3\frac{1}{2}$ yards of fabric to make a costume. She used $\frac{1}{4}$ make a hat. How much of the fabric did she use?

Ⓐ $\frac{3}{4}$ yard
Ⓑ $\frac{7}{8}$ yard
Ⓒ 1 yard
Ⓓ $1\frac{1}{8}$ yards

44. A walk-a-thon raised $998.50. If 10 charities split the money equally, how much will each charity receive?

Ⓕ $9.99
Ⓖ $98.50
Ⓗ $99.85
Ⓘ $9,985

45. Carlos paddled a canoe at an average rate of 6.32 miles per hour. How far did he travel in 2.5 hours?

Ⓐ 15.8 miles
Ⓑ 15.7 miles
Ⓒ 15.69 miles
Ⓓ 158 miles

GO ON ▶

Name _____ Date _____

Mathematics Summer Work 2019 *(continued)*

46. Gabriela used $\frac{1}{8}$ pound jalapeno peppers, $\frac{2}{3}$ pound chili peppers, and $\frac{7}{16}$ pound Anaheim peppers to make enchilada seasoning. About how many pounds of peppers did Gabriela use?

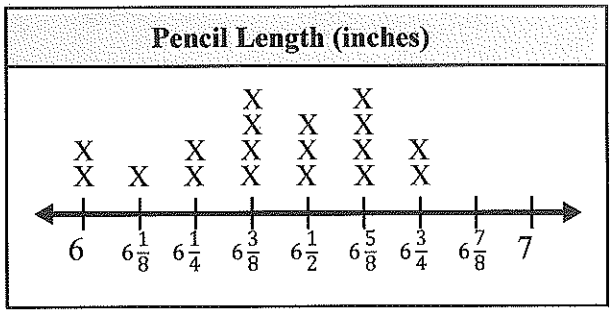
Ⓕ $0 + \frac{1}{2} + \frac{1}{2} = 1$ pound

Ⓖ $\frac{1}{2} + 1 + \frac{1}{2} = 2$ pounds

Ⓗ $\frac{1}{2} + 1 + 1 = 2\frac{1}{2}$ pounds

Ⓘ $1 + 1 + 1 = 3$ pounds

47. The line plot shows the length of some pencils in Ashton's class.



How many times longer is the longest pencil than the shortest pencil?

Ⓐ $1\frac{1}{12}$ times as long

Ⓑ $1\frac{1}{8}$ times as long

Ⓒ $1\frac{1}{6}$ times as long

Ⓓ $1\frac{1}{4}$ times as long

48. An art store has 10^3 posters. If the store sells each poster for \$8, how much money will the store make on the posters?

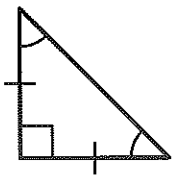
Ⓕ \$80

Ⓖ \$240

Ⓗ \$800

Ⓘ \$8,000

49. Which **best** describes the triangle?



Ⓐ obtuse scalene

Ⓑ acute isosceles

Ⓒ right scalene

Ⓓ right isosceles

50. Jani has a 750-milliliter water bottle she takes when hiking. If she fills it 3 times and drinks all of the water, how many liters of water does she drink?

Ⓕ 2.15 liters

Ⓖ 2.25 liters

Ⓗ 22.5 liters

Ⓘ 225 liters

Mathematics Summer Work 2019 (Incoming 6th Grade)

Name: _____

1. Ⓐ Ⓑ Ⓒ Ⓓ
2. Ⓕ Ⓖ Ⓗ Ⓘ
3. Ⓐ Ⓑ Ⓒ Ⓓ
4. Ⓕ Ⓖ Ⓗ Ⓘ
5. Ⓐ Ⓑ Ⓒ Ⓓ
6. Ⓕ Ⓖ Ⓗ Ⓘ
7. Ⓐ Ⓑ Ⓒ Ⓓ
8. Ⓕ Ⓖ Ⓗ Ⓘ
9. Ⓐ Ⓑ Ⓒ Ⓓ
10. Ⓕ Ⓖ Ⓗ Ⓘ
11. Ⓐ Ⓑ Ⓒ Ⓓ
12. Ⓕ Ⓖ Ⓗ Ⓘ
13. Ⓐ Ⓑ Ⓒ Ⓓ
14. Ⓕ Ⓖ Ⓗ Ⓘ
15. Ⓐ Ⓑ Ⓒ Ⓓ
16. Ⓕ Ⓖ Ⓗ Ⓘ
17. Ⓐ Ⓑ Ⓒ Ⓓ
18. Ⓕ Ⓖ Ⓗ Ⓘ
19. Ⓐ Ⓑ Ⓒ Ⓓ
20. Ⓕ Ⓖ Ⓗ Ⓘ
21. Ⓐ Ⓑ Ⓒ Ⓓ
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23. Ⓐ Ⓑ Ⓒ Ⓓ
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25. Ⓐ Ⓑ Ⓒ Ⓓ
26. Ⓕ Ⓖ Ⓗ Ⓘ
27. Ⓐ Ⓑ Ⓒ Ⓓ
28. Ⓕ Ⓖ Ⓗ Ⓘ
29. Ⓐ Ⓑ Ⓒ Ⓓ
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48. Ⓕ Ⓖ Ⓗ Ⓘ
49. Ⓐ Ⓑ Ⓒ Ⓓ
50. Ⓕ Ⓖ Ⓗ Ⓘ