Math Power

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Name: (First)_____(Last)_____

School: _____ Grade:_____

Mul-Div Mixed Operations

1. _____ ÷ 6=3

2. _____ × 5=10

3. 14 ÷ 2=

4. _____ ÷ 4=6

5. 5 × 3=

6. 18 ÷ 6=

7. 16 ÷ _____=8

8. 18 ÷ _____=6

9. _____ × 2=8

10. 8 × _____=32

11. 16 ÷ 4=

12. 7 × _____=56

13. _____ × 4=20

14. 32 ÷ _____=4

15. 16 ÷ 8=

16. 24 ÷ _____=8

17. 12 ÷ _____=4

18. 2 × 2=

19. _____ × 2=16

20. _____ × 4=36

Operating Numbers

21. 6 + 4 + 2 =

22. 8 + 2 + 6 =

23. 9 + 9 - 4 =

24. 8 + 2 - 6 =

25. 3 + 3 - 4 =

26. 7 + 5 - 9 =

27. 6 + 4 + 9 =

28. 4 + 2 + 4 =

29. 7 + 9 + 9 =

30. 4×5 - 6 =

31. 2 + 9×4 =

32. 3 + 9 + 5 =

33. 7×2 + 3 =

34. 9×4 - 8 =

35. 6 + 3×2 =

36. 8×5 - 2 =

37. 7 + 8 + 4 =

38. 4×9×7 =

39. 3×4×8 =

40. 7×8×4 =

Mul-Div Mixed Operations

41. 54 ÷ _____=6

42. _____ ÷ 9=2

43. 9 × _____=36

44. 6 × _____=18

45. 4 × 8=

46. 8 ÷ _____=4

47. 9 × 6=

48. 9 × 4=

49. 4 × 4=

50. 9 × _____=63

51. 63 ÷ 9=

52. _____ × 7=28

53. 5 × _____=35

54. 8 × 6=

55. 8 × _____=48

56. 6 × 8=

57. _____ ÷ 4=3

58. 56 ÷ 8=

59. _____ × 3=15

60. 4 × _____=36

Operating Numbers

61. 8 + 4 + 8 =

62. 4 + 5 + 9 =

63. 8 + 9 - 7 =

64. 6×2 - 5 =

65. 5×5 + 9 =

66. 9 + 6×8 =

67. 7×8 - 8 =

68. 7 + 7×5 =

69. 3 + 5×5 =

70. 4×8 - 5 =

71. 9×4 - 8 =

72. 7×4 - 5 =

73. 3×6 - 9 =

74. 4×4 + 9 =

75. 3 + 8×3 =

76. 3×2 - 5 =

77. 6×9×6 =

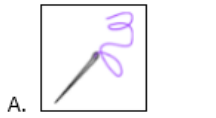
78. 3×3×4 =

79. 6×4×2 =

80. 4×8×3 =

Picture Analogy

81.



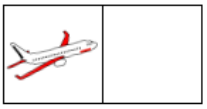
A.

B. 

C. 

D. 

82.



A. 

B. 

C. 

D. 

83.

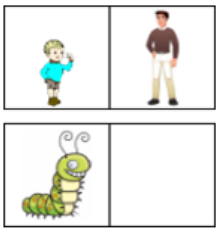
A. 

B. 

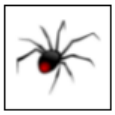
C. 

D. 

84.



A. 

B. 

C. 

D. 

85.

A. 

B. 

C. 

D. 

86.

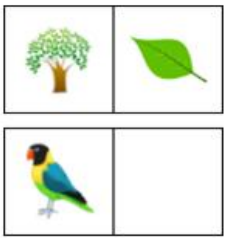
A. 

B. 

C. 

D. 

87.



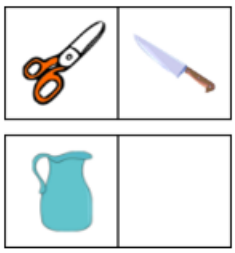
A. 

B. 

C. 

D. 

88.



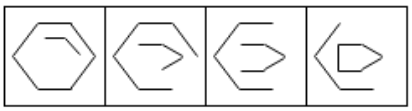
A. 

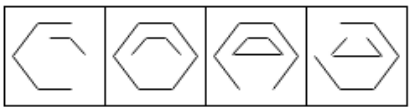
B. 

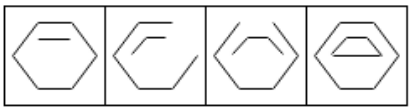
C. 

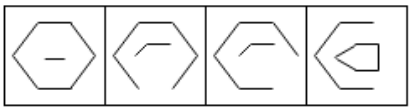
D. 

89. The closed figure loses its sides, and the open figure gains its sides as the series proceeds.

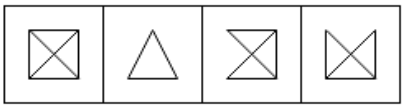
A. 

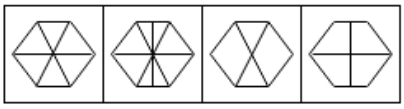
B. 

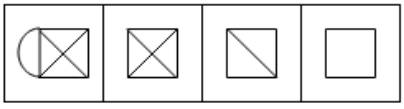
C. 

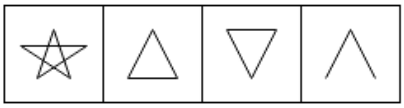
D. 

90. The image becomes simpler as the series proceeds.

A. 

B. 

C. 

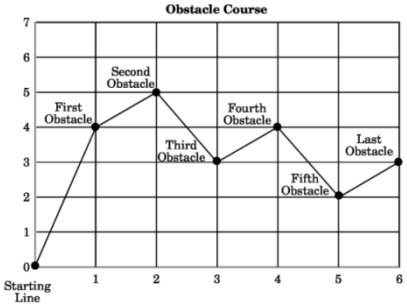
D. 

GT3 Stretches

91. Which unit is best used for measuring the amount of water in a swimming pool?
A) ounce
B) foot
C) gallon
D) mile

92. Mr. Brown bought 6 towels. All the towels were the same price. The total cost was $84. How much money did each towel cost?

93. To earn his bicycle safety certificate, Trevor had to ride his bicycle through an obstacle course. Trevor studied the map before his ride.



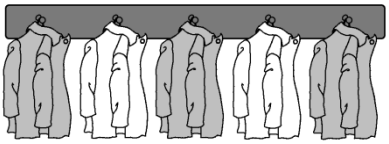
What are the coordinates of the Fifth Obstacle?
A) (2, 5)
B) (4, 4)
C) (5, 2)
D) (6, 3)

94. The total length of a vehicle is 205.83 inches. What is the length of the vehicle rounded to the nearest whole number?

95. Find the missing number:
14 + ☐ = 51

96. Maurice talked on the telephone to two friends. He talked to Sherry for $\frac{1}{4}$ hour, and to Gabriel for $\frac{1}{3}$ hour. How much time in minutes did Maurice spend on the telephone?

97. The coats shown below are hanging on coat hooks.



What fraction of the coats are white?
A) $\frac{1}{2}$
B) $\frac{1}{3}$
C) $\frac{2}{3}$
D) $\frac{2}{5}$

98. The total land area for the United States is 3,537,499 square miles. What is this value rounded to the nearest thousand square miles?

99. Which fraction is greater than $\frac{3}{4}$?
A) $\frac{1}{2}$
B) $\frac{10}{12}$
C) $\frac{3}{7}$
D) $\frac{2}{6}$

100. Find the missing number:
3, 5, 8, 12, 17, 23, 30, ☐

101. In one hour, Tracy walked 2.31 miles on a treadmill. Lisa walked 1.95 miles in the same amount of time. How much farther did Tracy walk than Lisa?

Question set **[102 - 103]**

Mary had 6 jewelry boxes. She put 5 perls in the first box, 8 pearls in the second box. She kept adding 3 more in the following box.

102. How many pearls can Mary put in the last jewelry box?

103. How many pearls did she keep in these 6 boxes?

104. Mr. Wilson's class made the chart below to show the number of birds that ate at a bird feeder on five days.

Birds That Ate at the Bird Feeder

Day	Number of Birds
Monday	8
Tuesday	18
Wednesday	30
Thursday	12
Friday	20

How many more birds ate at the bird feeder on Wednesday than on Monday?

105. Mr. Harrington bought some boxes of oranges at the market. He bought a total of 72 oranges. There were 6 oranges in each box. How many boxes of oranges did Mr. Harrington buy?

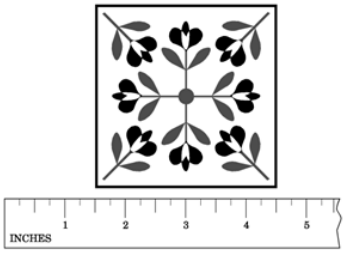
106. Amanda is planting flower seeds in flowerpots. If she plants 36 seeds and she plants 6 seeds in each flowerpot, how many flowerpots will Amanda use?
A) 6
B) 12
C) 30
D) 216

107. Which place value shows that 5,487 is less than 5,874?
A) ones place
B) tens place
C) hundreds place
D) thousands place

108. How many digits are needed to write down all numbers from 1 to 100?

109. Wendy jogged for 30 minutes on Friday, 42 minutes on Saturday, and 55 minutes on Sunday. What is the total time she jogged?

110. Karen has these square tiles in her kitchen. The picture below shows the size of an individual tile. What is the area in square inches of the tile shown below?



GT3 Stretches

111. The table shows the departure time at an airport.

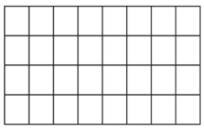
Airplane	Time
1	8:15 A.M.
2	8:30 A.M.
3	8:45 A.M.
4	9:00 A.M.
5	9:15 A.M.

If the pattern continues, what time should the 7th airplane leave?

112. Find the missing number:
$10 + 12 = 25 - \square$

113. $2^2 + 3^2 =$

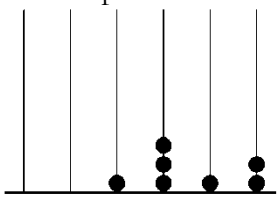
114. How many cells are in the following fiure?



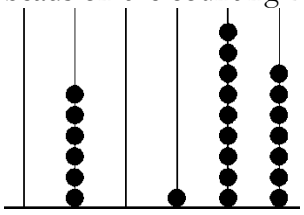
The answer is :
$8 \times 4 = 32$

Which of the following is equivalent to the above computation?
A) $8 \div 4 = 2$
B) $12 \div 4 = 3$
C) $24 \div 8 = 3$
D) $32 \div 8 = 4$

115. The beads on the counting frame shown below represent the number 1,312.



What number is represented by the beads on the counting frame below?



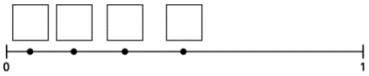
116. How many right angles are in a rectangle?

117. Sally earns a quarter a day helping her mom with the house chores. How much does Sally earn in a week?

118. What is the greatest 4-digit number that has all of the following characteristics?
- It is an odd number
- The sum of the digits is 6
- Each digit is different

119. If Daisy puts her 28 horse statues into rows with 4 statues in each row, how many rows will she have?

120. The points on the number line below show the positions of four fractions.



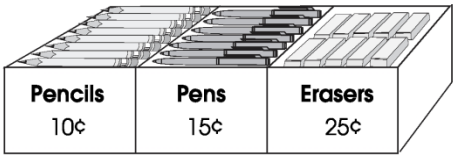
Fill in each box on the number line with the correct fraction below.
$\frac{1}{3}, \frac{1}{2}, \frac{1}{10}, \frac{1}{6}$

121. Ms. Roland measured the length of a board she was using to make a shelf. Which of the following could be the length of the board?
A) 6 square feet
B) 6 pounds
C) 6 gallons
D) 6 feet

Question set [**122 - 123**]

The school store sells pencils, pens and erasers. The picture shows the cost of each of these items. Becky bought 2 pencils, 5 pens

and 2 erasers.



122. How much money did Becky spend?

123. The next week Becky spent 85¢ in the store. She bought at least one pen and two erasers. Use the table below to show how she could spend exactly 85¢.

Item	Number	Total Cost
Pencils		
Pens		
Erasers		
		85¢

124. Five children share 27 crayons. Each child gets the same number of crayons. How many crayons will each child get? How many crayons will be left over?
A) Each gets 3 and 2 remain.
B) Each gets 2 and 5 remain.
C) Each gets 5 and 2 remain.
D) Each gets 4 and 3 remain.

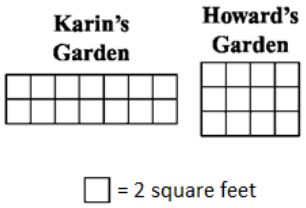
125. Which of the following is a three-dimensional shape?
A) quadrilateral
B) pyramid
C) triangle
D) rectangle

126. I imagined a number. It is larger than 10 and smaller than 20. If I switch the order of digits, then the new number is larger than 60 and smaller than 70. What number did I imagine?

127. Crystal opened a new package of stickers. She gave 6 stickers to each of her 3 friends. She has 12 stickers left for herself. How many stickers were in the package?

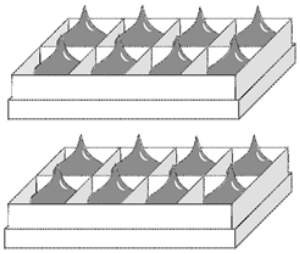
128. Ground beef sells for $5.00 per pound. How much does 12 pound of ground beef cost?

129. Karin's and Howard's gardens are shaped like rectangles. A model of each garden is shown below.



How many square feet larger is the area of Karin's garden than the area of Howard's garden?

130. Marta and Nate had two boxes of candies shown below.



Marta ate $\frac{5}{8}$ of the candies. Nate ate $\frac{1}{4}$ of the candies. What fraction of the box of candies was left?
A) ⅜
B) ⅞
C) ⅛
D) ⅙

Answer Key

1. 18
2. 2
3. 7
4. 24
5. 15
6. 3
7. 2
8. 3
9. 4
10. 4
11. 4
12. 8
13. 5
14. 8
15. 2
16. 3
17. 3
18. 4
19. 8
20. 9
21. 12
22. 16
23. 14
24. 4
25. 2
26. 3
27. 19
28. 10
29. 25
30. 14
31. 38
32. 17
33. 17
34. 28
35. 12
36. 38
37. 19
38. 252
39. 96
40. 224
41. 9
42. 18
43. 4
44. 3
45. 32
46. 2
47. 54
48. 36
49. 16
50. 7
51. 7
52. 4
53. 7
54. 48
55. 6
56. 48
57. 12
58. 7
59. 5
60. 9
61. 20
62. 18
63. 10
64. 7
65. 34
66. 57
67. 48
68. 42
69. 28
70. 27
71. 28
72. 23
73. 9
74. 25
75. 27
76. 1
77. 324
78. 36
79. 48
80. 96
81. A
    Same function for delivering the work.
82. B
    communication v.s. transportation.

83. C
camera to make photo
tea kettle to make a cup of tea

84. A
child to adult
caterpillar to butterfly (metamorphosis)

85. D
button is part of a shirt
buckle is part of a belt

86. D
musical instruments & carpentry tool

87. C
leaf is part of a tree
feather is part of a bird

88. A
cutting tool v.s. water container

89. **Answer: A**

Explanation:

In the first series, the closed figure loses sides one by one and the open figure gains sides one by one as the series proceeds.

90. **Answer:** C
Explanation:
In the third series, the image becomes simpler as the series proceeds.

91. C

92. 84÷6 = $14

93. C

94. 206 inches

95. 37

96. $\frac{1}{4}$ hr = 15 min
$\frac{1}{3}$ hr = 20 min
15 + 20 = 35 min

97. D

98. 3,537,000

99. B

100. 38

101. 0.36 mile

102. 5, 8, 11, 14, 17, 20

103. 5+8+11+14+17+20 = 75

104. 30 - 8 = 22

105. 72÷6 = 12

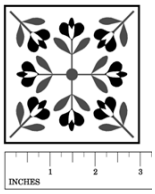
106. A

107. C

108. 1 to 9: 1 digit each
10 to 99: 2 digits each
100: 3 digits
9 + 2(90) + 3 = 192

109. 2 hr 7 min

110. 3×3 = 9 sq. inches



111. 9:15 + 0:30 = 9:45 A.M.

112. □ = 3

113. 13

114. D

115. 60,197

116. 4

117. 0.25×7 = $1.75

118. 3201

119. 28÷4 = 7

120. From left to right:
$\frac{1}{10}, \frac{1}{6}, \frac{1}{3}, \frac{1}{2}$

121. D

122. 2×10 + 5×15 + 2×25
= 20 + 75 + 50
= 145

123. 2 pencils + 1 pen + 2 erasers

124. C
27÷5 = 5R2

125. B

126. 16

127. 3×6 + 12 = 30

128. 12×5 = $60

129. B
K= 2×7 = 14
H = 3×4 = 12
14 - 12 = 2 squares
2×2 = 4 sq. ft

130. C
$\frac{5}{8} + \frac{1}{4} = \frac{7}{8}$
$1 - \frac{7}{8} = \frac{1}{8}$