Answer Ley						
1.	В	19.	Α			
1.		19.	л 19			
	<u>5</u> (prime)					
2.	B		$2 \times 1 \text{st} + 1 = 2 \text{nd}$			
	$5 + 8 = \underline{13}$	20.				
3.	А		123 32 <u>1</u>			
	$6 \times 120 = \underline{720}$	21.	В			
4.	D		Coffee goes into a cup and soup goes into a bowl.			
	33 - 11 = 22		Choices a and c are incorrect because they are			
	30 - 10 = 20		other utensils. The answer is not choice d because			
F			the word food is too general.			
5.	D 4280	22.	0			
	4289		A gym is a place where people exercise. A			
6.	D		restaurant is a place where people eat. Food			
	$4 \times 5 = 20$		(choice a) is not the answer because it is something			
	$3 \times 20 = 60$		people eat, not a place or location where they eat.			
	$2 \times 60 = 120$		The answer is not choice b or c because neither			
	$1 \times 120 = 120$		represents a place where people eat.			
7.	B	23.				
1.		49.	An oar puts a rowboat into motion. A foot puts a			
	$2 \times 1 = 2$		skateboard into motion. The answer is not choice			
	$2 \times 2 = 4$		a because running is not an object that is put into			
	$2 \times 32 = 64$		motion by a foot. Sneaker (choice b) is incorrect			
8.	C		because it is something worn on a foot. Jumping			
	7 + 27 = 34		(choice d) is incorrect because although you do			
9.	D		need feet to jump, jumping is not an object that is			
	1101		put into motion by means of a foot.			
10.	D	24.				
- ~•	4 + 5 = 9		A window is made up of panes, and a book is			
	5 + 9 = 14		made up of pages. The answer is not choice a			
	4 + 14 = 18		because a novel is a type of book. The answer is			
	5 + 18 = 23		not choice b because glass has no relationship to a			
	4 + 23 = 27		book. Choice c is incorrect because a cover is only			
	5 + 27 = 32		one part of a book; a book is not made up of			
11.	С		covers.			
	$3 \times 27 = 81$	25.	С			
10		_0.	Secretly is the opposite of openly, and silently is			
12.			the opposite of noisily. Choices a and b are clearly			
	$11 + 78 = \underline{89}$		not the opposites of silently. Choice d means the			
13.			same thing as silently.			
	0.729	26.				
	$0.1^3, 0.2^3, \dots$	20.	An artist makes paintings; a senator makes laws.			
14.			The answer is not choice a because an attorney			
	$6^2 = 36$		does not make laws and a senator is not an			
15.	В		attorney. Choice c is incorrect because a senator is			
	$9 \div 3 = 3$		a politician. Constituents (choice d) is also			
16.			incorrect because a senator serves his or her			
10.	1/2		constituents.			
17		27.	В			
17.	B = 85 + 17 = 102		An actor performs in a play. A musician performs			
4.0			at a concert. Choices a, c, and d are incorrect			
18.			because none is people who perform.			
	$2 \times 24 = \underline{48}$					



GT8 (Fall, 2018) Mock Exam 1

28. A

Careful and cautious are synonyms (they mean the same thing). Boastful and arrogant are also synonyms. The answer is not choice b because humble means the opposite of boastful. The answer is not choice c or d because neither means the same as boastful.

29. D

A group of lions is called a pride. A group of fish swim in a school. Teacher (choice a) and student (choice b) refer to another meaning of the word school. The answer is not choice c because selfrespect has no obvious relationship to this particular meaning of school.

30. A

Guide and direct are synonyms, and reduce and decrease are synonyms. The answer is not choice b or d because neither means the same as reduce. Choice c is incorrect because increase is the opposite of reduce.

31. B

A yard is a larger measure than an inch (a yard contains 36 inches). A quart is a larger measure than an ounce (a quart contains 32 ounces). Gallon (choice a) is incorrect because it is larger than a quart. Choices c and d are incorrect because they are not units of measurement.

32. C

A lizard is a type of reptile; a daisy is a type of flower. Choices a and b are incorrect because a petal and a stem are parts of a flower, not types of flowers. Choice d is incorrect because an alligator is another type of reptile, not a type of flower.

33. B

Elated is the opposite of despondent; enlightened is the opposite of ignorant.

34. D

A marathon is a long race and hibernation is a lengthy period of sleep. The answer is not choice a or b because even though a bear and winter are related to hibernation, neither completes the analogy. Choice c is incorrect because sleep and dream are not synonymous.

35. A

If someone has been humiliated, they have been greatly embarrassed. If someone is terrified, they are extremely frightened. The answer is not choice b because an agitated person is not necessarily frightened. Choices c and d are incorrect because neither word expresses a state of being frightened.

36. D

An odometer is an instrument used to measure mileage. A compass is an instrument used to determine direction. Choices a, b, and c are incorrect because none is an instrument.

37. A

An optimist is a person whose outlook is cheerful. A pessimist is a person whose outlook is gloomy. The answer is not choice b because a pessimist does not have to be mean. Choices c and d are incorrect because neither adjective describes the outlook of a pessimist.

38. C

A sponge is a porous material. Rubber is an elastic material. Choice a is incorrect because rubber would not generally be referred to as massive. The answer is not choice b because even though rubber is a solid, its most noticeable characteristic is its elasticity. Choice d is incorrect because rubber has flexibility.

39. D

Candid and indirect refer to opposing traits. Honest and untruthful refer to opposing traits. The answer is not choice a because frank means the same thing as candid. Wicked (choice b) is incorrect because even though it refers to a negative trait, it does not mean the opposite of honest. Choice c is incorrect because truthful and honest mean the same thing.

40. D

A pen is a tool used by a poet. A needle is a tool used by a tailor. The answer is not choice a, b, or c because none is a person and therefore cannot complete the analogy.

41. A

10-20 - 30=-40

42. D

(4 - 12) ÷1=-8

43. B 30-(10 - 20)=40

44. D

12-1 ÷4=11.75

- 45. C
 - 5 × 7 3=32
- 46. B
- 7 × (3 5)=-14
- 47. D 1-12 ÷4=−2
- 48. D
 - $(1 4) \div 12 = -0.25$
- 49. C 11+4+7-2=20
- 50. B
- 2+5-4-8=-5 51. D

10× 8× 2÷4=40

52. A 3+10-2×4=5

80. A 53. C 10×8÷2÷4=10 54. D 2×4×2+1=17 55. D $0.001 + 1 \div 0.1 \div 0.01 = 1000.001$ 56. B $1 + 8 \times 4 \div 2 = 17$ 57. B 8+2×2÷1=12 58. B 1+0.1÷0.01÷0.001=10001 59. D $(8 + 2) \times 4 \div 1 = 40$ 60. D $(8-2\div 2) \times 2 = 14$ 61. A 4+6÷(3÷4)=12 62. C $(1 + 4 \div 2) \times 8 = 24$ 63. B $(2 + 4) \times 1 \div 8 = 0.75$ 64. C $\sqrt{169} - \sqrt{144} = 1$ $\sqrt{\sqrt{169-144}} = \sqrt{5}$ 65. C $\sqrt{\sqrt{81}+91} = 10$ 66. A 67. B 68. A C, D, E, F 69. D 70. A 71. A 72. A 73. A In each row, the second figure is obtained from the first figure by reversing the direction of the RHS arrow and the third figure is obtained from the second figure by reversing the direction of both the arrows. 74. D 75. C 76. B 77. B The two parts of the first figure are rearranged and joined along the longer sides. The common side is then lost to form the second figure. 78. D 79. D

81. C 82. B 83. D 84. B 85. B 86. C 87. A 88. D 89. B 90. B 91. B 92. B 93. D Insufficient information 94. A $20 \div 5 = 4 > 10 \div 3 = 3\frac{1}{3}$ 95. A $\frac{1}{3} + \frac{1}{4} = 0.33... + 0.25 = 0.58...$ $\frac{1}{2} + \frac{1}{6} = 0.5 + 0.16... = 0.66...$ 96. C 97. B 98. C 99. D 100. C 30 60 $\frac{30}{2.5} = 12 = \frac{00}{5}$ 101. C 102. B 103. A $2^{3^2} = 2^9$ $2^{2^3} = 2^8$ 104. B 105. A 8000 > 900 106. A 107. A 108. C 109. C 110. B 111. A 112. D 113. B 114. A 115. A 116. A 117. D 118. A



	2010/ 101000
119. B	149. D
120. C	150. D
121. C	151. A
122. C	152. D
123. A	153. B
124. C	154. D
125. A	155. A
126. A	156. D
23 Hint: $(3x - 1)/4$	157. A
127. D	158. B
20 Hint: $(3x - 1)/4$	159. D
128. C	160. B
38 Hint: $(3x - 1)/4$	161. C
129. D	162. C
12 Hint: $(x+11)/3$	163. A
130. A 0.11 at $x/2 = 4$	164. D
9 Hint: $x/3 - 4$	165. C
131. B 47 Hint: 6x -31	166. A
	? =
132. D 42 Hint: $3(r+4)$	167. A
42 Hint: 3(<i>x</i> +4) 133. D	? =
19 Hint: $(x - 10)/3$	
134. B	168. A ? =
11 Hint: 2 <i>x</i> -1	
135. A	169. C ?=
36 Hint: 2x - 2	
136. C	170. D
31 Hint: $(2x+1)/3$?=
137. C	171. C
19 Hint: $(x+31)/6$?=1
138. A	172. D
13 Hint: 4 <i>x</i> -3	?=3
139. B	173. B ?=1
52 Hint: $(3x-1)/2$	r-1 []:
140. A	
84 Hint: 4 <i>x</i> -4	174. A ?=
141.B	; = -:
26 Hint: <i>x</i> - 7	100
142. B	
40 Hint: $3x + 10$	
143. C	
5 Hint: <i>x</i> - 7	? =
144. A	175. C
60 Hint: 4x-4	?=
145. B	176. B
10 Hint: $2x/3$	5=
146. A	177. B
147. B	?=
148. A	

0. D 1. A 2. D 3. B 4. D 5. A 6. D 7. A 8. B 9. D 0. B 1. C 2. C 3. A 4. D 5. C 6. A $? = 25, \Box = 9$ 7. A ? = 4, $\Box = 7$, carched = 58. A $? = 5, \square = 6, \Leftrightarrow = 9$ 9. C $?=14, \Box = 27$ 0. D ?=9, □=6 1. C ?=15, □=5 2. D ?=33, 🗆 =11 3. B ?=10 □=30 4. A ?=21, $\Box=5$ $? = \Box + 16$ $100 + \Box = (\Box + 16)\Box$ $\Box^2 + 15\Box - 100 = 0$ $(\Box + 20)(\Box - 5) = 0$ $\Box = 5 \text{ or } -20$? = 21 or -45. C $?=5, \square=4$ 6. B $?=7, \Box=9$ 7. B $?= 13, \Box = 21$

GT8 (Fall, 2018) Mock Exam 1

178. D ?=30, □=15 179. D ?=5, □=7, ♀=42 180. A ?=7 , □=44 , ☆=4