1.	If S is a number between 0 and 1, which of the following is NOT more than S ?					
	A. \sqrt{s}	B. 1/s	C. 2s	D. s^2		
	Solution and Ex	planation: https://youtu	ı.be/4AsQWfNYd3Y			
2.	Look at the pattern of numbers come ne	_	5 40 50 55, then which	th of the following pair		
	A. 60 65	B. 65 70	C. 60 75	D. 60 70		
	Solution and Ex	planation: <u>https://youtu</u>	ı.be/fd9Y391jE38			
3.	What is the simplific	ed form of $(1 \div 10^{-1})$	$\times (-1)^{-10}$?			
	A. 10	B. 1	C. 0.1	D. 100		
	Solution and Ex	planation: https://youtu	ı.be/-4wtru_Ybk4			
4.	If $b \neq 0$ and $\frac{a}{5} = \frac{b}{7}$, what is the value of	$\frac{a}{b}$?			
	A. 7/5	B. 1/7	C. 1/5	D. 5/7		
	Solution and Ex	planation: https://youtu	ı.be/-4wtru_Ybk4			
5.	Look at the pattern of numbers comes i	•	29 32 27 32, then wh	ich of the following pair		
	A. 29 32	B. 29 30	C. 25 32	D. 25 30		
	Solution and Ex	planation: https://youtu	ı.be/Uc3vLVEAz-A			
6.	$1 \div 0.1 \div 0.01 \div 0.$	001 is equal to				
	A. 1,000,000	B. 0.001	C. 100	D. 0.00001		
	Solution and Explanation: https://youtu.be/dq61DpLoLpQ					

7.	What number increased by 3 is equal to 3 less than twice the number?							
	A. 3	B. 9	C. 12	D. 6				
	Solution and Explanation: https://youtu.be/8UGRrBjYdgY							
8.	Three professors contested an election for a university president and received 1136, 7636 and 11628 votes, respectively. What percentage of the total votes did the winning professor get?							
	A. 65%	B. 57%	C. 59%	D. 61%				
	Solution and Exp	planation: https://youtu	.be/dUS-dxcfHK0					
9.	If one-fourth of one-	third of a number is 15	, then what is three-ter	nth of that number?				
	A. 39	B. 45	C. 54	D. 34				
	Solution and Exp	planation: https://youtu	.be/wcv6u2SPGF0					
10	10. An athlete completes a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. What is the total journey in km?							
	A. 216 km	B. 225 km	C. 218 km	D. 230 km				
	Solution and Explanation: https://youtu.be/fd9Y391jE38							
11	11. If $y \neq 0$ and $xy = \frac{y}{6}$, what is the value of x?							
	A. 1/2	B. 1/8	C. 1/4	D. 1/6				
	Solution and Explanation: https://youtu.be/6zjVbsNnJn4							
12	12. What number should come next in the series: 7, 10, 8, 11, 9, 12,?							
	A. 13	B. 10	C. 12	D. 7				
	Solution and Explanation: https://youtu.be/x8LWc9r-VnM							

	e difference between ue of the fraction?		action and its reciproca	d is 9/20. What is the				
A.	5/4	B. 3/5	C. 4/3	D. 4/2				
	Solution and Expl	lanation: https://youtu	.be/UvBvaJDPXW0					
14. Wł	14. What is the product of $(\sqrt{7}-2)(\sqrt{7}+2)$?							
A.	5	B. 4	C. 2	D. 3				
	Solution and Expl	lanation: https://youtu.	be/lOaPuYQUrCY					
	e sum of ages of 5 age of the younge		atervals of 3 years each	is 50 years. What is				
A.	8 years	B. 4 years	C. 6 years	D. 10 years				
	Solution and Expl	lanation: https://youtu.	.be/WUiXg28GzFY					
16. Wł	nat number should	come next in the serie	s: 544, 509, 474, 439,	?				
A.	445	B. 420	C. 404	D. 414				
	Solution and Expl	lanation: https://youtu	.be/EUaw8DhoVI4					
17. A library has an average of 510 visitors on Sundays and 240 on other days. What is the average number of visitor per day in a month of 30 days beginning with a Sunday?								
A.	285	B. 283	C. 275	D. 290				
	Solution and Expl	lanation: https://youtu.	.be/myM_LjimYl8					
18. What number should come next in the series: 58, 52, 46, 40, 34,?								
A.	32	B. 30	C. 28	D. 34				
	Solution and Explanation: https://youtu.be/ito3KhB1knQ							

19. If x > y, compare the two quantities

Quantity A	Quantity B		
30% of <i>x</i>	50% of <i>y</i>		

- A. The two quantities are equal.
- B. Quantity A is less than quantity B.
- C. The relationship cannot be determined from the information given.
- D. Quantity A is greater than quantity B.

Solution and Explanation: https://youtu.be/Gc9YE_A-EC4

20. Compare the two quantities

Quantity A	Quantity B
$(-21)^{12}$	$(-31)^{13}$

- A. The two quantities are equal.
- B. Quantity A is greater than quantity B.
- C. Quantity A is less than quantity B.
- D. The relationship cannot be determined from the information given.

Solution and Explanation: https://youtu.be/LNwMAXsYabo

Questions 21-25 are based on the hypothetical data given in the table below. Answer each question based on the data.

Table: Number of candidates that took and qualified in a license examination from different regions over the years.

	Year									
Regions	1997-2000		1998-2001		1999-2002		2000-2003		2001-2004	
	Took	Qual.								
AA	5200	720	8500	980	7400	850	6800	775	9500	1125
AM	7500	840	9200	1050	8450	920	9200	980	8800	1020
OR	6400	780	8800	1020	7800	890	8750	1010	9750	1250
TI	8100	950	9500	1240	8700	980	9700	1200	8950	995
SP	7800	870	7600	940	9800	1350	7600	945	7990	885

21.	1. What is the percentage of total number of qualified candidates to the	e total number of
	candidates took the exam among all the five regions in 2002?	

A. 11.84%

B. 11.52%

C. 11.48%

D. 11.89%

Solution and Explanation: https://youtu.be/fepROIrm944

22. What is the percentage of candidates qualified from Region AM for all the years together, over the candidates took the exam from Region AM during all the years together?

A. 11.75%

B. 11.46%

C. 11.57%

D. 11.15%

Solution and Explanation: https://youtu.be/fepROIrm944

23. In which of the given years the number of candidates took the exam from region OR has maximum percentage of qualified candidates?

A. 2001

B. 2003

C. 2004

D. 2000

Solution and Explanation: https://youtu.be/fepROIrm944

24. What is the average number of candidates who took the exam from Region TI during the given years?

A. 8800

B. 8900

C. 8860

D. 8990

Solution and Explanation: https://youtu.be/fepROIrm944

25. What percent is the total number of qualified candidates in 1997-2000 to the total number of those qualified in 2001-2004?

A. 84%

B. 76%

C. 78%

D. 80%

Solution and Explanation: https://youtu.be/fepROIrm944