

WHAT TO STUDY

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- ► Read the exam announcement!
- ► Look at the Civil Service sample questions.
- ► Materials on NYSITS.org are a starting point.
 - ► CSEA booklets (only available to CSEA members)
 - ► Wikipedia (follow links to sources)

OTHER PREPARATION

- ➤ Get a good night's sleep.
- ► Know where you're going and get there early.

WHAT TO BRING

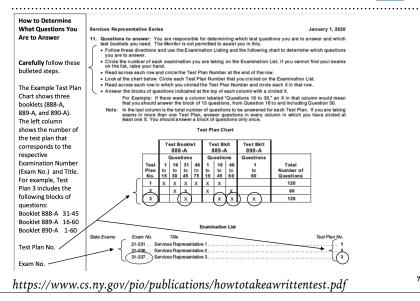
- ► Admission notice
- ► Photo ID
- ► #2 pencils and good erasers
- ► Calculator
- ► Food and drinks?

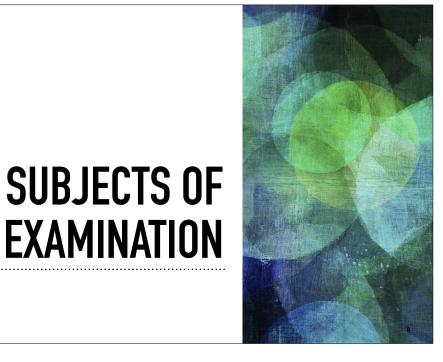
WHAT NOT TO BRING

- ► Cell phone / smart watch
- ► Any other papers

Answer all questions designated for your examination(s). At the test site, you will be given Candidate Directions that identify the Test Booklet(s) and question numbers to be completed for each examination. You are responsible for determining which questions you are to answer, for making sure you have the correct Test Booklet(s), and for completing all test material required for your examination(s).

CIVIL SERVICE INSTRUCTIONS





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HOW	TO FIND OUT WH	AT'S ON Y	′OUF	R EX/	١M	
Inform	ے ation Technology Spec	NEW YORK STATE OF OPPORTUNITY.				
Decem You ma Please Applicati By	est To Be Held ber 10, 2022 ay be assigned to either Saturday or Si refer to the information below. ons Must Be Submitted or Postmari r 12, 2022	·	1	Duties	Qualifications Examination	
	Exams Include	ed on This Announ	cement			
EXAM NUMBER	EXAM TITLE	OPEN TO EMPLOYEES OF	SALARY	SALARY GRADE	NON-REFUNDABLE PROCESSING FEE (WAIVERS AVAILABLE)	
38-714	Information Technology Specialist 4	Multiple Agencies	*	25/M-1		
38-715	Information Technology Specialist 4 (Data Communications)	Multiple Agencies	*	25/M-1		
38-716	Information Technology Specialist 4 (Database)	Multiple Agencies	*	25/M-1	\$25	
38-717	Information Technology Specialist 4 (Operations)	Multiple Agencies	*	25/M-1		
38-718	Information Technology Specialist 4 (Systems Programming)	Multiple Agencies	*	25/M-1		

38-714 INFORMATION TECHNOLOGY SPECIALIST 4

Subject of Examination

There will be a written test which you must pass in order to be considered for appointment. The written test is designed to test for knowledge, skills, and/or abilities in such areas as: 1. Preparing written material - These questions test for the ability to present information clearly and accurately, and to organize paragraphs logically and comprehensibly. For some questions, you will be given

- information in two or three sentences followed by four restatements of the information. You must then choose the best version. For other questions, you will be given paragraphs with their sentences out of order You must then choose, from four suggestions, the best order for the sentences. 2 Supervising a project - These questions test for the ability to conduct and supervise the activities
- Next necessary to achieve the goals and deadlines of a specific project. The questions cover such topics as setting up the project, developing the work plan for the project, assigning and reviewing work, evaluating week performance and progress, coordinating phases of the project, handling problems as they arise, and
 - meeting deadlines. 3. Systems analysis - These questions test for techniques and concepts of computer systems analysis. They cover such subjects as feasibility and applications studies, systems development tools and software, the systems life cycle, types of systems (e.g., client/server, Web-based), controls, and systems documentation, testing, and implementation.
 - 4. Understanding and interpreting a manual These questions test for the ability to comprehend a set of directions and apply them. Candidates will be provided with a procedural manual excerpt to read. This information will be used to answer questions about procedures and the way operations should be carried out. All of the information needed to answer the questions is provided in the set of directions. Candidates will not be required to have any special knowledge about the content area covered.
- 5. Understanding and interpreting tabular material These questions test your ability to understand. analyze, and use the internal logic of data presented in tabular form. You may be asked to perform tasks This such as completing tables, drawing conclusions from them, analyzing data trends or interrelationships, and revising or combining data sets. The concepts of rate, ratio, and proportion are tested. Mathematical
- week operations are simple, and computational speed is not a major factor in the test. You should bring with you a hand-held battery- or solar-powered calculator for use on this test. You will not be permitted to use the calculator function of your cell phone.

SUMMARY (LOOK ON NYSITS.ORG)

SUMMARY (LOOK ON <u>NYSITS.ORG</u>)	

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	G23 ITS 3	G25/M1 ITS 4	G27/M2 Manager ITS 1	G29/M3 Manager ITS 2	M4 (Asst) Dir ITS 1	M5 (Asst) Dir ITS 2 and M6 Dir ITS 3
Logical reasoning using flowcharts - These questions test for ability to reason logically by solving problems involving given variables expressed in flowcharts and accompanying information. All information needed to answer the questions is included within the flowcharts and the accompanying information. Prior knowledge of flowchart conventions in necessary to answer these questions.	x					
Understanding and interpreting a manual - These questions test for the ability to comprehend a set of directions and apply them. Candidates will be provided with a procedural manual except to read. This information will be used to answer questions about procedures and the way operations should be carried out. All of the information needed to answer the questions is provided in the set of directions. Candidates will not be required to have any special knowledge about the content area covered.	x	×				
Preparing written material - These questions test for the ability to present information clearly and accurately, and to organize paragraphs logically and comprehensibly. For some questions, you will be given information in two or three sentences followed by four restatements of the information. You must then choose the best version. For you must questions, you will be given paragraphs with their sentences out of order. You must then choose, from four suggestions, the best order for the sentences.	x	x				
Systems analysis – These questions test for techniques and concepts of computer systems analysis, These yours such subjects as feasibility and applications studies, systems development tools and software, the systems life cycle, types of systems (e.g., client/server, Web based), controls, and systems documentation, testing, and implementation.	x	x	x			
Understanding and interpreting tabular material - These questions test your ability to understand, analyze, and use the internal logic of data presented in tabular form. You may be asked to porform tasks such as completing tables, dawing conclusions from them, analyzing data trends or interrelationships, and revising or combining data sets. The concepts of rate, railso, and proportion are tested. Mathematical operations are isniple, and computational speed in oral analyric factor in the test. You should bring with you a hand-held battery- or solar-powered calculator for use on this test. You will not be permitted to use the calculator function of your cell phone.		x	x	×		
Supervising a project - These questions test for the ability to conduct and supervise the activities necessary to achieve the goals and deadlines of a specific project. The						

UNDERSTANDING & INTERPRETING TABULAR MATERIAL

G25/M1, G27/M2, G29/M3





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These questions test your ability to understand, analyze, and use the internal logic of data presented in tabular form.

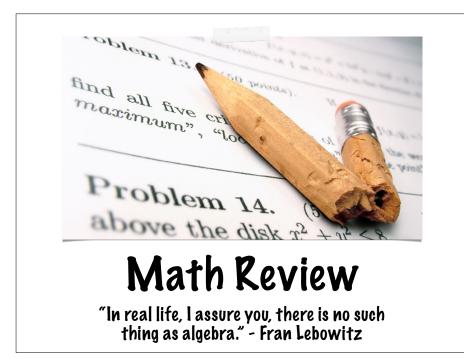
You may be asked to perform tasks such as completing tables, drawing conclusions from them, analyzing data trends or interrelationships, and revising or combining data sets.

The concepts of rate, ratio, and proportion are tested.

Calculator

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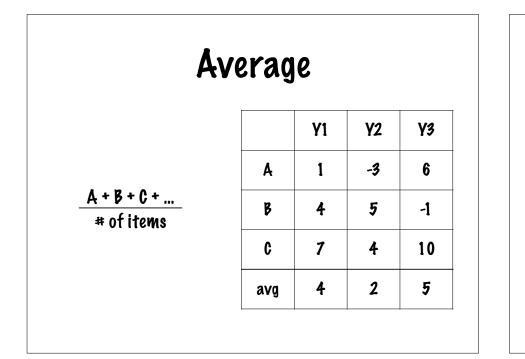
Negative Numbers

BE CAREFUL WITH YOUR CALCULATOR!

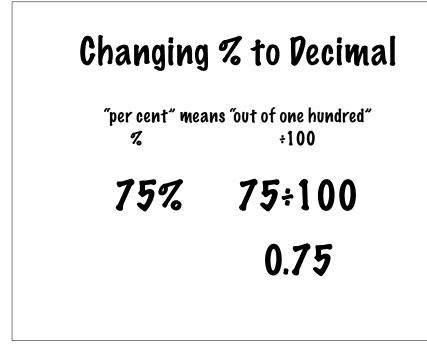
3 - (-2) is not the same as 3 - 2

Two wrongs make a right... 3 - (-2) = 3 + 2

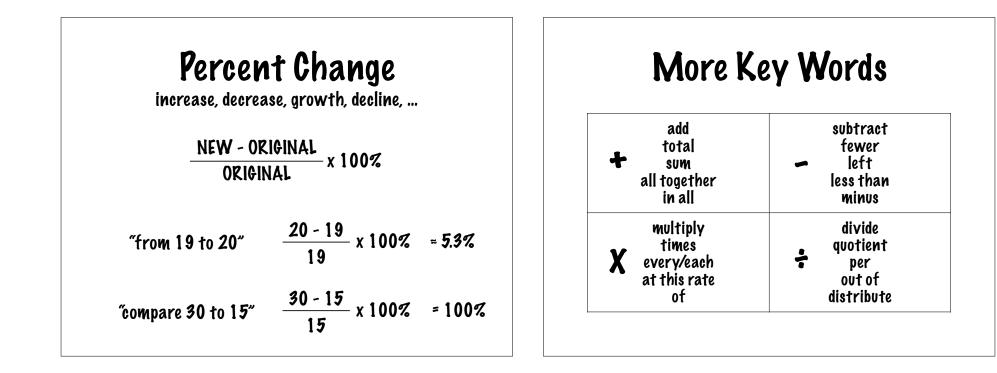




Participation Rate/RatioRate# who are participating
who are eligible to participateRatioParticipants : Eligibles



Percei	ntage
part <u>%</u> whole 100	$\frac{is}{of} = \frac{\pi}{100}$
3 is what % of 40 $\frac{3}{40}$ =	<u>?</u> 100 7.5%
15% of 20 is $\frac{?}{20}$ =	$\frac{15}{100}$ 3
2.3 is 50% of 2.3 ? =	50 100 4.6



Reading a Table

- * How many tables are there?
- * Read the row and column headings.
- * Are there any subtotals or totals?
- * What are the units for the numbers?
- * Use a piece of scrap paper to keep focused.