### 5 Scoring Your Tests

#### How to Score the Multiple-Choice Tests

Follow the instructions below and on the following pages to score your practice multiple-choice tests and review your performance.

#### **Raw Scores**

The number of questions you answered correctly on each test and in each subscore area is your raw score. Because there are many forms of the ACT, each with different questions, some forms will be slightly easier (and some slightly harder) than others. A raw score of 67 on one form of the English test, for example, may be about as difficult to earn as a raw score of 70 on another form of that test.

To compute your raw scores, check your answers with the scoring keys on pages 57–58. Count the number of correct answers for each of the four tests and seven subscore areas, and enter the number in the blanks provided on those pages. These numbers are your raw scores on the tests and subscore areas.

#### **Scale Scores**

To adjust for the small differences that occur among different forms of the ACT, the raw scores for tests and subscore areas are converted into *scale scores*. Scale scores are printed on the reports sent to you and your college and scholarship choices.

When your raw scores are converted into scale scores, it becomes possible to compare your scores with those of examinees who took different test forms. For example, a scale score of 26 on the English test has the same meaning regardless of the form of the ACT on which it is based.

To determine the scale scores corresponding to your raw scores on the practice test, use the tables explaining procedures used to obtain scale scores from raw scores on pages 59–60. Table 1 on page 59 shows the raw-to-scale score conversions for each test, and Table 2 on page 60 shows the raw-to-scale score conversions for the subscore areas. Because each form of the ACT is unique, each form has somewhat different conversion tables. Consequently, these tables provide only approximations of the raw-to-scale score conversions that would apply if a different form of the ACT were taken. Therefore, the scale scores obtained from the practice tests don't match precisely the scale scores received from an actual administration of the ACT.

#### **Computing the Composite Score**

The Composite score is the average of the four scale scores in English, mathematics, reading, and science. If you left any of these tests blank, do not calculate a Composite score. If you take the ACT with writing, your writing results do **not** affect your Composite score.

#### **Comparing Your Scores**

Information about comparing your scores on the practice multiple-choice tests with the scores of recent high school graduates who took the ACT can be found at

#### www.actstudent.org.

Your scores and percent at or below are only *estimates* of the scores that you will receive during an actual administration of the ACT. Test scores are only one indicator of your level of learning. Consider your scores in connection with your grades, your performance in outside activities, and your career interests.

#### **ACT College and Career Readiness Standards**

The ACT College and Career Readiness Standards describe the types of skills, strategies, and understandings you will need to make a successful transition from high school to college. For English, mathematics, reading, and science, standards are provided for six score ranges that reflect the progression and complexity of the skills in each of the academic areas measured by the ACT tests. For writing, standards are provided for five score ranges. The ACT College and Career Readiness Standards and benchmark scores for each test can be found at www.act.org.

#### Reviewing Your Performance on the Practice Multiple-Choice Tests

Consider the following as you review your scores.

- Did you run out of time? Reread the information in this booklet on pacing yourself. You may need to adjust the way you use your time in responding to the questions.
- Did you spend too much time trying to understand the directions for the tests? The directions for the practice tests are the same directions that will appear in your test booklet on test day. Make sure you understand them before test day.
- Review the questions that you missed. Did you select a
  response that was an incomplete answer or that did not
  directly respond to the question being asked? Try to figure
  out what you overlooked in answering the questions.
- Did a particular type of question confuse you? Did the questions you missed come from a particular subscore area? In reviewing your responses, check to see whether a particular type of question or a particular subscore area was more difficult for you.

#### **Scoring Keys for the ACT Practice Tests**

Use the scoring key for each test to score your answer document for the multiple-choice tests. Mark a "1" in the blank for each question you answered correctly. Add up the numbers in each subscore area and enter the total number correct for each subscore area in the blanks provided. Also enter the total number correct for each test in the blanks provided. The total number correct for each test is the sum of the number correct in each subscore area.

Test 1: English—Scoring Key

		Subs Are	ea*			Subs Are	
	Key	UM	RH		Key	UM	RH
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34.	KeV A J D H B J B J C J B G A H D H B J C H A F B H C F D G A F B H B H			39. 40. 41. 42. 43. 44. 45. 50. 51. 52. 53. 54. 66. 66. 66. 66. 66. 67. 68. 69. 70. 71. 72.	KeV CJCGDJCJDHBFDJAFBGCFDGCGDFCHDGDJAF		ea*
35. 36. 37. 38.	A F A F			73. 74. 75.	B H D		

Number Correct (Raw Score) for:								
Usage/Mechanics (UM) Subscore Area	(40)							
Rhetorical Skills (RH) Subscore Area	(35)							
Total Number Correct for English Test (UM + RH)	(75)							

<sup>\*</sup>UM = Usage/Mechanics RH = Rhetorical Skills 1572CPRE

**Test 2: Mathematics—Scoring Key** 

	9	Subscor Area*	е		S	ubscor Area*	е
Key	EA	AG	GT	Key	EA	AG	GT
1. D				31. D			
2. H				32. K			
3. E				33. B			
4. F				34. H			
5. E				35. D			
6. H				36. J			
7. E				37. A			
8. H				38. F			
9. A				39. B			
10. K				40. F			
11. C				41. E			
12. K				42. K			
13. B				43. D			
14. H				44. G			
15. B				45. D			
16. H				46. J			
17. D				47. B			
18. F				48. G			
19. D				49. A 50. F			
20. F							
21. B 22. H				51. E 52. H			
22. H 23. A				52. n 53. B			
23. A 24. H				55. B 54. K			
25. B				54. K			
26. G				56. K			
20. G 27. E				50. R 57. A			
27. L 28. H				57. A 58. K			
20. П 29. С				59. E			
30. G				60. J			
50. G				00. J			

Number Correct (Raw Score) for:	
Pre-Alg./Elem. Alg. (EA) Subscore Area	(27)
Inter. Alg./Coord. Geo. (AG) Subscore Area	(19)
Plane Geo./Trig. (GT) Subscore Area	(14)
Total Number Correct for Math Test (EA + AG + GT)	(60)

\*EA = Pre-Algebra/Elementary Algebra

AG = Intermediate Algebra/Coordinate Geometry

GT = Plane Geometry/Trigonometry

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Test 3: Reading—Scoring Key

			score ea*				core ea*
	Key	SS	AL		Key	SS	AL
1.	Α			21.	Α		
2.	J			22.	G		
3.	С			23.	D		
4.	Н			24.	J		
5.	В			25.	С		
6.	J			26.	G		
7.	Α			27.	С		
8.	Н			28.	J		
9.	В			29.	С		
10.	J			30.	G		
11.	Α			31.	Α		
12.	J			32.	G		
13.	С			33.	Α		
14.	J			34.	J		
15.	В			35.	D		
16.	Н			36.	Н		
17.	В			37.	В		
18.	F			38.	J		
19.	D			39.	Α		
20.	F			40.	Н		

Number Correct (Raw Score) fo	or:
Social Studies/Sciences (SS) Subscore Area	(20)
Arts/Literature (AL) Subscore Area	(20)
Total Number Correct for Reading Test (SS + AL)	(40)

\*SS = Social Studies/Sciences

AL = Arts/Literature 1572CPRE

Test 4: Science—Scoring Key

	Key		Key	
1.	С	 21.	D	
2.	G	 22.	F	
3.	D	 23.	В	
4.	G	 24.	J	
5.	С	 25.	В	
6.	F	 26.	Н	
7.	Α	 27.	Α	
8.	F	 28.	J	
9.	D	 29.	С	
10.	J	 30.	F	
11.	С	 31.	В	
12.	F	 32.	G	
13.	В	 33.	D	
14.	F	 34.	J	
15.	С	 35.	Α	
16.	F	 36.	Н	
17.	В	 37.	В	
18.	Н	 38.	F	
19.	В	 39.	D	
20.	J	 40.	J	

Number Correct (Raw Score) for	or:
Fotal Number Correct for Science Test	
	(40)

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#### TABLE 1

#### **Explanation of Procedures Used to Obtain Scale Scores from Raw Scores**

On each of the four multiple-choice tests on which you marked any responses, the total number of correct responses yields a raw score. Use the table below to convert your raw scores to scale scores. For each test, locate and circle your raw score or the range of raw scores that includes it in the table below. Then, read across to either outside column of the table and circle the scale score that corresponds to that raw score. As you determine your scale scores, enter them in the blanks provided on the right. The highest possible scale score for each test is 36. The lowest possible scale score for any test on which you marked any responses is 1.

Next, compute the Composite score by averaging the four scale scores. To do this, add your four scale scores and divide the sum by 4. If the resulting number ends in a fraction, round it to the nearest whole number. (Round down any fraction less than one-half; round up any fraction that is one-half or more.) Enter this number in the blank. This is your Composite score. The highest possible Composite score is 36. The lowest possible Composite score is 1.

ACT Test 1572CPRE	Your Scale Score
English	
Mathematics	
Reading	
Science	
Sum of scores	
Composite score (sum ÷ 4)	
Writing	

NOTE: If you left a test completely blank and marked no items, do not list a scale score for that test. If any test was completely blank, do not calculate a Composite score.

To calculate your writing score, use the rubric on pages 61–62.

			Raw Scores					
Scale Score	Test 1 English	Test 2 Mathematics	Test 3 Reading	Test 4 Science	Writing	Scale Score		
36	75	60	40	40	47-48	36		
35	72-74	58-59	39	39	46	35		
34	71	57	38	38	44-45	34		
33	70	55-56	37	37	42-43	33		
32	68-69	54	35-36	_	41	32		
31	67	52-53	34	36	40	31		
30	66	50-51	33	35	38-39	30		
29	65	48-49	32	34	37	29		
28	63-64	45-47	31	33	35-36	28		
27	62	43-44	30	32	34	27		
26	60-61	40-42	29	30-31	33	26		
25	58-59	38-39	28	28-29	32	25		
24	56-57	36-37	27	26-27	31	24		
23	53-55	34-35	25-26	24-25	29-30	23		
22	51-52	32-33	24	22-23	28	22		
21	48-50	30-31	22-23	21	26-27	21		
20	45-47	29	21	19-20	25	20		
19	43-44	27-28	19-20	17-18	24	19		
18	41-42	24-26	18	16	23	18		
17	39-40	21-23	17	14-15	21-22	17		
16	36-38	17-20	15-16	13	20	16		
15	32-35	13-16	14	12		15		
14	29-31	11-12	12-13	11	18-19	14		
13	27-28	8-10	11	10	17	13		
12	25-26	7	9-10	9	16	12		
11	23-24	5-6	8	8	10	11		
10	20-22	4	6-7	7	 14-15	10		
9	18-19	4	0-7	5-6	13	9		
8	15-19	3	<u> </u>	3-6	12	8		
7	15-17 12-14		5 4	4	14	7		
6	12-14 10-11		3	4 2	 10-11	6		
5		4	٥	3 2		5		
4	8-9 6-7	1		2	9	4		
4	6-7	'	2		_			
3	4-5	_		1	_	3		
2	2-3	0	1	_	_	2		
1	0-1	l O	0	0	8	1		

## **TABLE 2**

# Explanation of Procedures Used to Obtain Scale Subscores from Raw Scores

For each of the seven subscore areas, the total number of correct responses yields a raw score. Use the table below to convert your raw scores to scale subscores. For each of the seven subscore areas, locate and circle either the raw score or the range of raw scores that includes it in the table below. Then, read across to either outside column of the table and circle the scale subscore that corresponds to that raw score. As you determine your scale subscores, enter them in the blanks provided on the right. The highest possible scale subscore is 18. The lowest possible scale subscore is 1.

If you left a test completely blank and marked no responses, do not list any scale subscores for that test.

ACT Test 1572CPRE	Your Scale Subscore
English	
Usage/Mechanics	
Rhetorical Skills	
Mathematics	
Pre-Algebra/Elementary Algebra	
Algebra/Coord. Geometry	
Plane Geometry/Trigonometry	
Reading	
Social Studies/Sciences	
Arts/Literature	

		Scale Subscore	18	17	16	15	14	5	12	Ξ	10	6	œ	7	9	22	4	က	7	-
	eading	Arts/ Literature	19-20	18	17	16	15	14	13	12	=	10	<b>o</b>	80	2-9	2	3-4	7	-	0
	Test 3 Reading	Social Studies/ Sciences	20	19	17-18	16	15	13-14	12	=	9-10	œ	7	2-6	4	ო	2	I	-	0
		Plane Geometry/ Trigonometry	14	I	12-13	=	10	တ	80	7	9	2	4	က	2	I	-	I	I	0
Raw Scores	Test 2 Mathematics	Algebra/ Coord. Geometry	19	18	17	15-16	14	12-13	10-11	တ	7-8	9	4-5	I	က	2	_	l	I	0
	<b>-</b>	Pre-Algebra/ Elem. Algebra	26-27	24-25	22-23	21	20	18-19	17	15-16	14	13	11-12	8-10	2-9	2	3-4	7	-	0
	inglish	Rhetorical Skills	35	34	32-33	31	29-30	27-28	25-26	22-24	20-21	17-19	15-16	13-14	11-12	9-10	7-8	2-6	2-4	0-1
	Test 1 English	Usage/ Mechanics	38-40	36-37	35	33-34	32	31	29-30	27-28	25-26	23-24	20-22	18-19	16-17	13-15	10-12	6-8	2-2	0-4
		Scale Subscore	18	17	16	15	14	13	12	=	10	6	œ	7	9	2	4	က	7	-

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#### **How to Score the Writing Test**

It is difficult to be objective about one's own work. However, it is to your advantage to read your own writing critically, as doing so can help you grow as a writer and as a reader. It may also be helpful for you to give your practice essay to another reader, such as a classmate, parent, or teacher. To rate your essay, you and your reader(s) should review the guidelines and sample essays at **www.actstudent.org** and then use the scoring rubric below to assign your practice essay a score of 1 (low) through 6 (high) in each of the four writing domains (Ideas and Analysis, Development and Support, Organization, Language Use).

#### Scoring Rubric (below)

The rubric presents the standards by which your essay will be evaluated. Readers will use this rubric to assign your essay four unique scores, one per writing domain. To score your essay, determine which scorepoint, in each domain, best describes the features of your writing. Because each domain receives its own score, the four scores you assign need not be identical. For example, you may find that your essay exhibits stronger skill in organization than in the development of ideas. In this case, you may determine that your essay should receive a higher score in Organization than in Development and Support.

#### **The ACT Writing Test Scoring Rubric**

	Ideas and Analysis	Development and Support	Organization	Language Use
Score 6: Responses at this scorepoint demonstrate effective skill in writing an argumentative essay.	The writer generates an argument that critically engages with multiple perspectives on the given issue. The argument's thesis reflects nuance and precision in thought and purpose. The argument establishes and employs an insightful context for analysis of the issue and its perspectives. The analysis examines implications, complexities and tensions, and/or underlying values and assumptions.	Development of ideas and support for claims deepen insight and broaden context. An integrated line of skillful reasoning and illustration effectively conveys the significance of the argument. Qualifications and complications enrich and bolster ideas and analysis.	The response exhibits a skillful organizational strategy. The response is unified by a controlling idea or purpose, and a logical progression of ideas increases the effectiveness of the writer's argument. Transitions between and within paragraphs strengthen the relationships among ideas.	The use of language enhances the argument. Word choice is skillful and precise. Sentence structures are consistently varied and clear. Stylistic and register choices, including voice and tone, are strategic and effective. While a few minor errors in grammar, usage, and mechanics may be present, they do not impede understanding.
Score 5: Responses at this scorepoint demonstrate well-developed skill in writing an argumentative essay.	The writer generates an argument that productively engages with multiple perspectives on the given issue. The argument's thesis reflects precision in thought and purpose. The argument establishes and employs a thoughtful context for analysis of the issue and its perspectives. The analysis addresses implications, complexities and tensions, and/or underlying values and assumptions.	Development of ideas and support for claims deepen understanding. A mostly integrated line of purposeful reasoning and illustration capably conveys the significance of the argument. Qualifications and complications enrich ideas and analysis.	The response exhibits a productive organizational strategy. The response is mostly unified by a controlling idea or purpose, and a logical sequencing of ideas contributes to the effectiveness of the argument. Transitions between and within paragraphs consistently clarify the relationships among ideas.	The use of language works in service of the argument. Word choice is precise. Sentence structures are clear and varied often. Stylistic and register choices, including voice and tone, are purposeful and productive. While minor errors in grammar, usage, and mechanics may be present, they do not impede understanding.
Score 4: Responses at this scorepoint demonstrate adequate skill in writing an argumentative essay.	The writer generates an argument that engages with multiple perspectives on the given issue. The argument's thesis reflects clarity in thought and purpose. The argument establishes and employs a relevant context for analysis of the issue and its perspectives. The analysis recognizes implications, complexities and tensions, and/or underlying values and assumptions.	Development of ideas and support for claims clarify meaning and purpose. Lines of clear reasoning and illustration adequately convey the significance of the argument. Qualifications and complications extend ideas and analysis.	The response exhibits a clear organizational strategy. The overall shape of the response reflects an emergent controlling idea or purpose. Ideas are logically grouped and sequenced. Transitions between and within paragraphs clarify the relationships among ideas.	The use of language conveys the argument with clarity. Word choice is adequate and sometimes precise. Sentence structures are clear and demonstrate some variety. Stylistic and register choices, including voice and tone, are appropriate for the rhetorical purpose. While errors in grammar, usage, and mechanics are present, they rarely impede understanding.

#### **The ACT Writing Test Scoring Rubric**

	Ideas and Analysis	Development and Support	Organization	Language Use
Score 3: Responses at this scorepoint demonstrate some developing skill in writing an argumentative essay.	The writer generates an argument that responds to multiple perspectives on the given issue. The argument's thesis reflects some clarity in thought and purpose. The argument establishes a limited or tangential context for analysis of the issue and its perspectives. Analysis is simplistic or somewhat unclear.	Development of ideas and support for claims are mostly relevant but are overly general or simplistic. Reasoning and illustration largely clarify the argument but may be somewhat repetitious or imprecise.	The response exhibits a basic organizational structure. The response largely coheres, with most ideas logically grouped. Transitions between and within paragraphs sometimes clarify the relationships among ideas.	The use of language is basic and only somewhat clear. Word choice is general and occasionally imprecise. Sentence structures are usually clear but show little variety. Stylistic and register choices, including voice and tone, are not always appropriate for the rhetorical purpose. Distracting errors in grammar, usage, and mechanics may be present, but they generally do not impede understanding.
Score 2: Responses at this scorepoint demonstrate weak or inconsistent skill in writing an argumentative essay.	The writer generates an argument that weakly responds to multiple perspectives on the given issue. The argument's thesis, if evident, reflects little clarity in thought and purpose. Attempts at analysis are incomplete, largely irrelevant, or consist primarily of restatement of the issue and its perspectives.	Development of ideas and support for claims are weak, confused, or disjointed. Reasoning and illustration are inadequate, illogical, or circular, and fail to fully clarify the argument.	The response exhibits a rudimentary organizational structure. Grouping of ideas is inconsistent and often unclear. Transitions between and within paragraphs are misleading or poorly formed.	The use of language is inconsistent and often unclear. Word choice is rudimentary and frequently imprecise. Sentence structures are sometimes unclear. Stylistic and register choices, including voice and tone, are inconsistent and are not always appropriate for the rhetorical purpose. Distracting errors in grammar, usage, and mechanics are present, and they sometimes impede understanding.
Score 1: Responses at this scorepoint demonstrate little or no skill in writing an argumentative essay.	The writer fails to generate an argument that responds intelligibly to the task. The writer's intentions are difficult to discern. Attempts at analysis are unclear or irrelevant.	Ideas lack development, and claims lack support. Reasoning and illustration are unclear, incoherent, or largely absent.	The response does not exhibit an organizational structure. There is little grouping of ideas. When present, transitional devices fail to connect ideas.	The use of language fails to demonstrate skill in responding to the task. Word choice is imprecise and often difficult to comprehend. Sentence structures are often unclear. Stylistic and register choices are difficult to identify. Errors in grammar, usage, and mechanics are pervasive and often impede understanding.

#### **Calculating Your Writing Subject Score**

Complete these steps to calculate your Writing Subject Score (1–36 scale).

1. Locate the four domain scores (1–6) and enter them in the first column below. Double each score and enter in the Domain Score column to the right.

		Domain Score
Ideas and Analysis	x 2 =	
Development and Support	x 2 =	
Organization	x 2 =	
Language Use and Conventions	x 2 =	

- 2. Enter the sum of the second-column scores here \_\_\_\_\_. This is your raw score (value between 8 and 48).
- 3. Use Table 1 on page 59 to find the scaled Writing Subject Score that corresponds to your raw score.

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NAME, MAILING ADDRESS, AND TELEPHONE (Please print.)	MATCH NAME (First 5 letters of last name)	MATCH NUMBER	D DATE OF BIRTH  Month   Day   Year
Last Name MI (Middle Initial)	00000		<ul><li> Jan.</li><li> Feb.</li><li> March</li><li> 1 1 1 1</li></ul>
House Number & Street (Apt. No.); or PO Box & No.; or RR & No.	AAAAA BBBBB CCCCC DDDDD	2222 22222 3333 33333 4444 3444 555 5555	April 2222  May 3333  June 444  July 555
City State/Province ZIP/Postal Code	EEEE PPPP GGGGG	6666 6666 7777 77777 888 8888	O Aug. 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
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ALL examinees must complete block A – please print.			
Blocks B, C, and D are required for all examinees. Fir the MATCHING INFORMATION on your ticket. Enter it EXACTI the same way, even if any of the information is missing incorrect. Fill in the corresponding ovals. If you do not comple these blocks to match your previous information EXACTLY, yo scores will be delayed up to 8 weeks.	Y PPPPP or QQQQQ te BBBB		
Do NOT mark in this shaded area.	00000 00000 00000		
	A SOFT LEAD NO cal pencil, ink, ball	. 2 PENCIL ONLY. point, correction fluid, or felt-tip	p pen.)
EVANIALE CTATE	MENT OFFICIOATI	ON AND CIONATURE	
<ol> <li>Read the following Statement: By submitting this a         Testing Rules and Policies for the ACT® provided in a         security, score cancellation, examinee remedies, ar         including the collection, use, transfer and disclosure         International Examinees: By my signature I am a         to the United States to ACT, or a third party service</li> </ol>	nswer sheet, I agree to the ACT registration ma bitration, and consent of information as desc so providing my conse	aterials for this assessment, including the tothe processing of my personally ide ribed in the ACT Privacy Policy (www.a ent to ACT to transfer my personally ide	nose concerning test entifying information, ct.org/privacy.html). entifying information
laws of the United States. I acknowledge and ac authorities in the United States.			
I understand that ACT owns the assessment quest responses with anyone by any form of communic assuming anyone else's identity to take this assessn	ation before, during, o	or after the assessment administration	n. I understand that
2. Copy the Certification shown below (only the text	in italics) on the lines	provided. Write in your normal handwi	riting.
Certification: I agree to the Statement above and cert	ify that I am the persor	n whose name and address appear on	this answer sheet.
Your Signature		Today's Date	

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PAGE 2				
	BOOKLET NUMBER	FORM BE S	SURE TO FILL IN THE C	ORRECT FORM OVAL.
Marking Directions: Mark only one oval for			PRE	
each question. Fill in response completely.				
Erase errors cleanly without smudging.	000000 $22222$	Print your 3-character		
Correct mark:	33333	Test Form in		
Do NOT use these incorrect or bad marks.	44444	the boxes		
Incorrect marks:	55555 66666	above and		
Overlapping mark:	77777	fill in the corresponding		
Cross-out mark:	88888	oval at the		
Smudged erasure:	99999	right.		
Mark is too light:				
TEST 1				
1 A B C D 14 F G H J	27 A B C D	40 F G H J	53 A B C D	66 F G H J
2 F G H J 15 A B C D	28 F G H J	41 (A) (B) (C) (D)	54 F G H J	67 A B C D
3 A B C D 16 F G H J	29 A B C D	42 F G H J	55 A B C D	68 F G H J
	30 F G H J	43 (A) (B) (C) (D)	56 F G H J	69 A B C D
5 A B C D 18 F G H J 6 F G H J 19 A B C D	31 (A) (B) (C) (D) 32 (F) (G) (H) (J)	44 (F) (G) (H) (J) 45 (A) (B) (C) (D)	57 A B C D 58 F G H J	70 F G H J 71 A B C D
7ABCD 20FGHJ	33 A B C D	46 F G H J	59 A B C D	72 F G H J
8 F G H J 21 A B C D	34 F G H J	47 (A) (B) (C) (D)	60 F G H J	73 A B C D
9 A B C D 22 F G H J	35 A B C D	48 F G H J	61 (A) (B) (C) (D)	74 E G H J
10 F G H J 23 A B C D 11 A B C D 24 F G H J	36 F G H J 37 A B C D	49 A B C D 50 F G H J	62 F G H J 63 A B C D	75 A B C D
12 F G H U 25 A B C D	38 F G H J	51 A B C D	64 F G H J	
13 A B C D 26 F G H J	39 A B C D	52 F G H J	65 A B C D	
TEGT 0				
TEST 2				
		31 A B C D E		
2 F G H J K 12 F G H J ( 3 A B C D E 13 A B C D (		32 F G H J K 33 A B C D E	42 F G H J K 43 A B C D E	52 F G H J K 53 A B C D E
4 F G H J K 14 F G H J C		34 F G H J K	44 F G H J K	54 F G H J K
5 A B C D E 15 A B C D C		35 (A) (B) (C) (D) (E)	45 A B C D E	55 A B C D E
6 F G H J K 16 F G H J C		36 F G H J K	46 F G H J K	56 F G H J K
7		37 A B C D E	47 A B C D E	57 A B C D E
8 F G H J K 18 F G H J ( 9 A B C D E 19 A B C D (		38 F G H J K 39 A B C D E	48 F G H J K 49 A B C D E	58 F G H J K 59 A B C D E
10 F G H J K 20 F G H J C		40 F G H J K	50 F G H J K	60 F G H J K
TEST 3				
1 A B C D 8 F G H J 2 F G H J 9 A B C D	15 A B C D 16 F G H J	22 F G H J 23 A B C D	29 A B C D	36 (F) (G) (H) (J) 37 (A) (B) (C) (D)
3 A B C D 10 F G H J	17 A B C D	24 F G H J	30 F G H J 31 A B C D	38 F G H J
4 F G H U 11 A B C D	18 (F) (G) (H) (J)	25 (A) (B) (C) (D)	32 F G H J	39 A B C D
5 A B C D 12 F G H J	19 A B C D	26 F G H J	33 (A) (B) (C) (D)	40 F G H J
6 F G H J 13 A B C D 7 A B C D 14 F G H J	20 F G H J 21 A B C D	27 (A) (B) (C) (D) 28 (F) (G) (H) (J)	34 F G H J 35 A B C D	
			33 Ø Ø Ø Ø	
TEST 4				
1ABCD 8FGHU	15 (A) (B) (C) (D)	22 F G H J	29 A B C D	36 P G H J
2 F G H J 9 A B C D	16 (F) (G) (F) (J)	23 (A) (B) (C) (D)	30 F G H J	37 (A) (B) (C) (D)
3 A B C D 10 F G H J 4 F G H J 11 A B C D	17 (A) (B) (C) (D) (18 (F) (G) (H) (J)	24 F G H J 25 A B C D	31 A B C D 32 F G H J	38 F G H J 39 A B C D
5 A B C D 12 F G H J	19 (A) (B) (C) (D)	26 F G H J	33 A B C D	40 F G H J
6 F G H J 13 A B C D	20 F G H J	27 A B C D	34 F G H J	= = <del>=</del> =
7 A B C D 14 F G H J	21 (A) (B) (C) (D)	28 F G H J	35 A B C D	



