# **Mississippi Testing Accommodations Manual**

**Revised January 2013** 



# Mississippi Department of Education Office of Student Assessment

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Testing Accommodations Chart (CUM COPY)

## Overview

The list of accommodations shows the numeric codes to be entered in the designated areas on student answer documents or test booklets. **The accommodations that are allowable on each of the statewide tests vary.** A list of allowable and non-allowable accommodations for each test is located in this document.

The **General Accommodations** are allowable and may be used by <u>all</u> students on each of the statewide tests. These accommodations do not have to be entered on the student's answer document. Any accommodation utilized for the assessment of students must be used during the student's routine classroom instruction, including classroom assessment.

All <u>eligible</u> students may utilize appropriate assessment accommodations when participating in the statewide assessments. Any accommodation utilized for the assessment of students must be

- based upon the learning needs of the individual student through decisions made and officially documented on the IEP/504 Plan prior to the test administration, or
- > based on the student's temporary physical disability, and
- used during the student's routine classroom instruction, to include classroom assessment.

All **English Language Learner** students may utilize appropriate assessment accommodations when participating in the statewide assessments. Any accommodation utilized for the assessment of individual students must be:

- based upon the individual student's learning needs,
- ▶ based upon decisions made prior to the test administration, and
- used during the student's routine classroom instruction, to include classroom assessment.

**Testing Accommodations Chart (Main)** 

		Testing Action			CPA	_			SATP2					MW		
-			N ELL		S	N	ИСТ	2			SATP	2		AP3	MST	
	#	ACCOMMODATION	General (ALL students)	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	Eng. II MC - Writing/Grammar	U.S. History	Writing Assessment English II	Science 5 & 8
	1	At the front of the room	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Ī	2	Facing test administrator while directions given	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Ī	3	In a small group	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	4	Individually to accommodate specific disability	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
പ്പ	5	In a familiar room	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Setting	6	With a familiar teacher	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Š	7	At home (only for homebound students)	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	8	In a study carrel	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
-	9	With special lighting	N	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
-	10	Specialized table to fit a student's wheelchair	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	11	Secure paper to work area with magnets/tape	Ν	N	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
പ്പ	21	With scheduled rest breaks	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ulir	22	At time of day to accommodate student's disability	N	Ν	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Sched	23	Until, in test administrator's judgment, the pupil can no longer continue the activity	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Timing/Scheduling	24	Administer the test over several sessions, specifying the duration of each session. (MDE prior approval required) <b>REFER TO NOTE 4</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

25	the	minister the test over several days, specifying duration of each day's session (MDE prior proval required) <b>REFER TO NOTES 4 &amp; 16</b>	N	Y	Note 16	Y	Y	Y	Y	YY	Y Y	· ·	Ŷ	Y Y	7	Y	Y
	40	Large print	Ν	N	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	41	Braille <b>REFER TO NOTE 5</b>	N	N	N	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
	42	Hearing aids	Ν	N	Ν	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
	43	Auditory trainers	N	N	N	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
	44	Transparent color overlays	Y	Y	Y	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
	45	Magnifying glasses/magnifying equipment	N	N	N	Y			Y	Y	Y	Y	Y	Y	Y	Y	Y
	46	Templates to reduce visible print	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	47	Provide cues (e.g., arrows and stop signs) on answer form in pencil <b>REFER TO NOTE 6</b>	N	Y	N	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	48	Use of memory aids, fact charts, resource sheets, and/or abacus <b>REFER TO NOTE 7</b>	N	Y	Ν	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
e	49	Clue student to stay on task	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Presentation	50	Highlight key words/phrases in directions (e.g., complete sentences, show your work) by the teacher	N	Y	N	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Pre	53	Read test directions (but <u>not</u> test items) to individual students or a group repeating and/or paraphrasing directions if needed <b>REFER TO NOTE 8 &amp; 9</b>	N	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	55	Read test directions and test items to individual students or a group repeating directions/items, but <u>not</u> paraphrasing <b>REFER TO NOTES 8 &amp; 9</b>	N	Y	N	Y	1	N	Y	Y	Y	Y	N	Y	Y	Y	Y
	58	Read test directions and test items to individual students or a group repeating and/or paraphrasing <u>only</u> the directions if needed <b>REFER TO NOTES 8 &amp; 9</b>	N	Y	N	Y	1	N	Y	Y	Y	Y	N	Y	Y	Y	Y
	60	Use of highlighter (yellow only) by student in test booklet	Y	Y	Y	Y		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

	61	Calculator (MCT2 Mathematics: Allowable only in grades 7 and 8) <b>REFER TO NOTE 15</b>	N	Note 15	N	N	N	N	Note 15	Y	N	N	N	N	N	N
	70	Dictation of answers to test administrator/proctor (scribe) <b>REFER TO NOTE 10</b>	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	72	Allow marking of answers in booklet and transferring of answers from test booklet/answer document to answer document by test administrator (i.e., large print) <b>REFER</b> <b>TO NOTE 11</b>	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	73	Tape record responses for later verbatimtranslation <b>REFER TO NOTE 12</b>	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	74	Provide copying assistance between drafts <b>REFER TO NOTES 10 &amp; 11</b>	N	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	75	Brailler	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	76	Communication board	Ν	N	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	77	Augmentative communicative device	Ν	N	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	78	Computer / word processor ( <u>without</u> grammar/syntax checker & <u>without</u> work completion/prediction feature) <b>REFER TO NOTE 13</b>	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	79	Computer / word processor ( <u>without</u> grammar/syntax checker, <u>with</u> completion/prediction activated)	Ν	N	Ν	Y	Y	Y	Y	Y	Y	Y	Ν	Y	¥N	Y
se	80	Adapted keyboards	Ν	N	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Response	81	Native language dictionaries for ELL students (i.e. dictionaries that translate English words into the native language - no definitions are given in either language <b>REFER TO NOTE 14</b>	N	Y	N	N	N	N	N	N	N	Ν	N	N	N	N
	82	Spelling dictionaries (dictionaries show correct spelling of English words; do not give definitions).	N	N	Ν	N	N	N	Y	Y	Y	N	N	Y	N	Y
	<b>98</b>	Other allowable accommodation	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

In the Testing Accommodations Chart specific accommodations have a tag reading, "REFER TO NOTE \_\_\_\_". These notes are listed below by number.

**NOTE 1:** A test administrator and proctor must be present during the entire test administration for all students tested.

**NOTE 2:** It should be noted that some accommodations used routinely in the classroom may not be allowable for statewide tests. The test results of students who use non-allowable accommodations are invalid and must be excluded from summary statistics. Any student with an invalid score is considered not tested. Allowable accommodations may change the method in which test items are presented and the method of the student's response to test items but will not interfere with what the test purports to measure. An unallowable accommodation provides an unfair advantage to the student and interferes with what the test purports to measure.

**NOTE 3:** Approval must be granted by the Office of Student Assessment (OSA) <u>four (4) weeks</u> <u>prior</u> to the use of accommodations that are not included in this list. Please complete the Accommodation Request Form and submit it to OSA. It is the responsibility of the OSA to determine whether the use of such accommodation(s) will affect the validity of the assessment.

**NOTE 4:** Accommodations 24 and 25 relate to administering the test over several sessions and/or days and must be approved by the Office of Student Assessment four (4) weeks prior to their use on statewide assessments. However, the entire assessment must be completed within the testing window. Any extension that exceeds or goes beyond the day the test administration is scheduled must be pre-arranged, the procedure must be documented, and on file with the District Test Coordinator. If the student is testing over several days, he/she is not allowed to change responses to questions answered during the previous testing sessions or preview questions that will be administered in a future session.

**NOTE 5:** The Braille test administrator may review Braille test material prior to test administration, but the review must be authorized by the district test coordinator and must take place in a controlled, secure environment.

**NOTE 6:** Accommodation **47** relates to cueing. Cueing is assisting the student in focusing his/her attention. Cueing strategies include, but are not limited to, arrows, lines, space, contrasting colors, position or focal point, underlining, labeling, size, and shading. Cues may be used only in test directions and in test questions. Cues may <u>not</u> be used in the answer choices. Cues provided on answer booklets/documents must be erased before they are returned for scoring. Cues provided on test books do not have to be erased since test books are non-scorable documents.

**NOTE 7:** Accommodation **48** relates to the use of memory aids. A memory aid, fact chart, and/or resource sheet is something that helps a student remember how to find the answer; it should <u>not</u> give him/her the answer. This accommodation cannot interfere with what the test

purports to measure. For example, if the test measures computation skills, a multiplication fact chart is a non-allowable accommodation since it gives the answer or a portion of the answer to the item assessing multiplication skills.

The compilation of allowable and non-allowable materials is by no means exhaustive. Prior approval is not required for the memory aids, fact charts, and/or resource sheets labeled allowable. All other material requires prior approval from the Office of Student Assessment (OSA). You must complete the Accommodation Request Form. Submissions may be sent any time during the school year but no later than <u>four (4) weeks prior</u> to the test administration for which the use of memory aid is intended. The memory aids, fact charts, and/or resource sheets for state assessments must be <u>limited to 1-3 pages per content area</u>.

Only a student who is visually-impaired may use the abacus to solve mathematics problems. No prior approval is required for use of the abacus by these students.

**NOTE 8:** Paraphrasing is re-stating the text and does not include providing definitions or detailed explanations. <u>Only directions</u> may be paraphrased. Items, including sample questions, may not be paraphrased as part of a presentation accommodation.

**NOTE 9:** Accommodations **53**, **55**, and **58** relate to the presentation of test directions and test items (questions and answer choices) to students. In addition to reading, these accommodations may involve writing the material on a blackboard, using sign language, using a text scanner with voice synthesizer, or using other appropriate technology.

Using accommodations **55** and **58** for passages or items in the reading sections of the MCT2 (MCT2 – Reading) or the SATP (English II Multiple Choice – Vocabulary/Reading [and Reading Comprehension for "old framework" re-testers]) is <u>not</u> allowed.

For the WIDA ACCESS for ELLs® test, accommodations 55 and 58 are not allowed, as these accommodations interfere with what the test purports to measure.

When preparing to administer the test(s) to students who are deaf or hard of hearing or to students who are blind or visually impaired, test administrators may review eligible test material (i.e., math, science, or history test books; scripted directions for reading tests; non-reading portions of language arts tests) prior to test administration. The review must be authorized by the district test coordinator and must take place in a controlled, secure environment. A signed Confidentiality Agreement is required and must be on file when test administrators preview test items prior to the test administration. Test administrators should be familiar with specific symbols or abbreviations particular to the content area being assessed.

When working with a student who has limited English proficiency, consideration needs to be given to whether the assessment should be explained to the student in his or her native language or other mode of communication unless it is clearly not feasible to do so.

Students for whom American Sign Language (ASL) is the primary language may have directions and/or items signed to them, except for the reading sections of MCT2 – Reading and English II Multiple Choice – Vocabulary/Reading, where the signing of items is <u>not</u> allowed. Other allowable signing systems are Signing Exact English (SEE), Signed English (SE), Sign Supported English (SSE or CASE), or Contact Sign (i.e., Pidgin Sign English [PSE]). Sign languages from other countries (i.e., Auslan, BSL, LSF) or non-standard sign systems (i.e., home sign) are <u>not</u> permitted to be used. **NOTE 10:** The scribe must write exactly what the student says as dictated. The scribe may not edit or alter the student's dictation in any way. The student is responsible for all capitalization, punctuation, and spelling. The student should review the draft composition and make any necessary edits, including edits to capital letters and punctuation. A scribe may not assist the student during the editing process. The scribe transfers verbatim the student's responses to an answer document.

**NOTE 11:** *The dictation process and transfer of answers must occur under secure conditions with at least two persons present.* 

#### **NOTE 12:** Accommodation **73** - Tape record responses for later verbatim translation

- A. Dictating a response at any grade is very tedious for both the student and the scribe.
- B. Students must spell each word and note every punctuation mark as they dictate.
- C. Please consider using a tape recorder for a student's "draft."
- D. The tape can be played back to the student, who can stop and start the tape as necessary, spelling and punctuating the response more easily as dictation to the scribe takes place. The student must also note indentation or skipped lines during the dictation.
- E. The taped version, of course, can also be edited by the student.
- F. The taped "draft" must not be written for the student to review until the dictation with spelling and punctuation has occurred. The student must also note indentation or skipped lines during the dictation.
- G. The student may be given the dictated response to review and may make revisions at that point.
- H. The dictation process must occur under secure conditions with at least two persons present.
- I. The response must be transcribed on the pre-ID Final Response Insert Page, if available, with appropriate Prompt Number gridded <u>or</u> in a blank Final Response Insert Page with appropriate Prompt Number gridded and the MSIS number written on the front cover of the Final Response Insert Page.
- J. If this method is used, the tape must be erased after the transcription has been completed.
- K. This process, if used, should be added as an addendum to the school test security plan.
- L. All persons (TA, Proctor, Scribe) involved in this process must sign Confidentiality Agreements.

**NOTE 13:** Accommodation **78** - Typewriter or word processor (<u>without</u> grammar/syntax checker and <u>without</u> word completion/prediction feature)

- A. All tools for spelling, grammar check, and syntax must be turned off. Additionally, the device (e.g., NEO) must have the extra features disabled (e.g., Google Docs, linked files, Write On! Lessons, etc.).
- B. The student may not have access to the Internet.
- C. Typed responses are not to be submitted to the vendor; these typed responses must be transcribed under secure conditions with at least two persons present.

- D. The person transcribing must duplicate exactly what the student wrote, including exact spelling, punctuation, indentation, skipped lines, etc.
- E. The response must be transcribed on the pre-ID Final Response Insert Page, if available, with appropriate Prompt Number gridded <u>or</u> in a blank Final Response Insert Page with appropriate Prompt Number gridded and the MSIS number written on the front cover of the Final Response Insert Page.
- F. The typed response must be erased from the assistive technology.
- G. The typed response must include the student's name and MSIS number. The student's typed response is considered secure material and must be returned with all scorable testing material.
- H. This process, if used, should be added as an addendum to the school test security plan.
- I. All persons (TA, Proctor, Scribe) involved in this process must sign Confidentiality Agreements

**NOTE 14:** Electronic word-to-word translating dictionaries may be used with the audio/speaker function turned off. In addition the test administrator must ensure that electronic dictionaries are not connected to the internet or any additional software. Refer to the <u>Suggested List of Bilingual Dictionaries for ELL Students</u> for word-to-word glossaries.

**NOTE 15:** For accommodation **61**, calculators are allowable only in grades 7 and 8 for *MCT2* Mathematics and for the SATP2 Algebra 1. Beginning with the 2011-2012 academic year,

- 1. <u>All</u> formulas, applications, and/or programs (including, but not limited to, Zoom Math/Zoom Algebra) **must be disabled or removed** from the calculators to be used by students during the MCT2 Mathematics, Grades 7-8 exams and the SATP2, Algebra I exam.
- 2. School districts must outline in their District Test Security Plan the processes and/or procedures to be used to ensure the NO calculators used by students during a state assessment administration for the tests listed above have any stored formulas, applications, and/or programs.
- 3. Students may use personal calculators. However, the District Test Security Plan must address the processes and/or procedures to be used to ensure that NO personal calculators used by the students during a state assessment administration have any stored formulas, applications, and/or programs.
- 4. School districts will be given the authority to allow <u>retesters</u> who participated in the SATP2 Algebra I test administration <u>prior to</u> 2011-2012 to continue to use graphing calculators with formulas, applications, and/or programs.
  - Districts <u>must</u> test these students in a room separate from any testing room that is used for first-time test takers in 2011-2012 and thereafter.
  - Districts <u>must</u> address these procedures for retesters in the District and School Test Security Plans.

The complete memorandum from the state Superintendent of Education regarding calculator use on the MCT2 Mathematics (grades 7 and 8) and Algebra I can be read at

*the following link:* <u>http://www.mde.k12.ms.us/ACAD/osa/pdfs/20110406-Calculator-Guidance-Memo.pdf</u>

**NOTE 16:** For the ELL student, accommodation **25** is non-allowable on the Speaking component of the ACCESS for ELLs® Test.

### Accommodation 48

### LANGUAGE ARTS

### ALLOWABLE

Торіс	
Introduction	
•	Introduction

Body								
Paragraph 1	Paragraph 2	Paragraph 3						

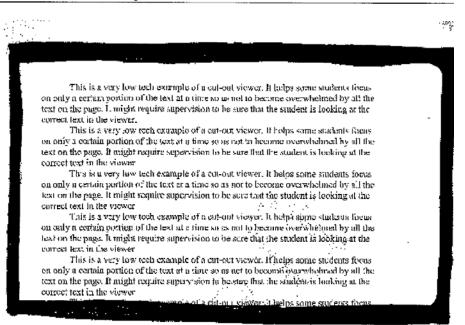
	Conclusion	



#### **Proofreading Checklist**

Read each question below. Then check your paper. Correct any mistakes that you find. After you have corrected them, put a checkmark in the box next to the questions.

- □ 1. Did I spell all the words correctly?
- □ 2. Does each sentence state a complete thought?
- □ 3. Are there any run-on sentences or fragments?
- □ 4. Did I capitalize all proper nouns?
- □ 5. Did I end each sentence with the correct end mark?
- a 6. Did I use commas, apostrophes, and quotation marks correctly?

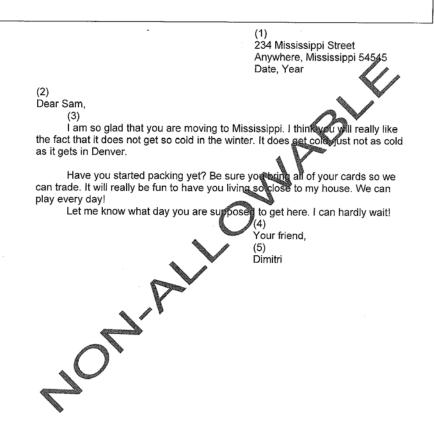


#### **Accommodation 48**

#### LANGUAGE ARTS

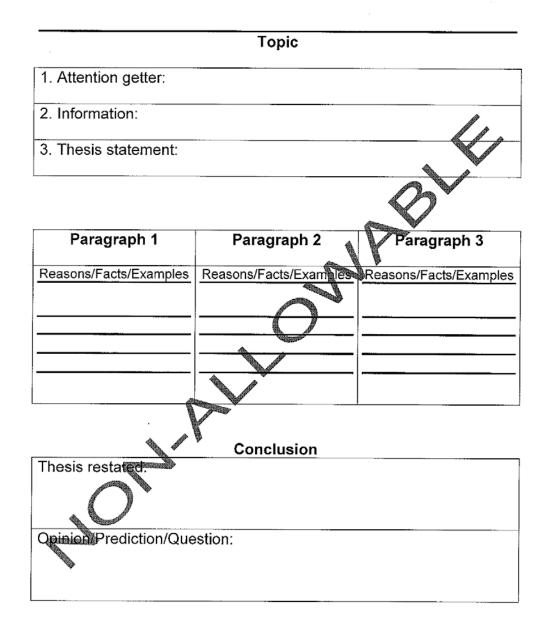
#### **NON-ALLOWABLE**

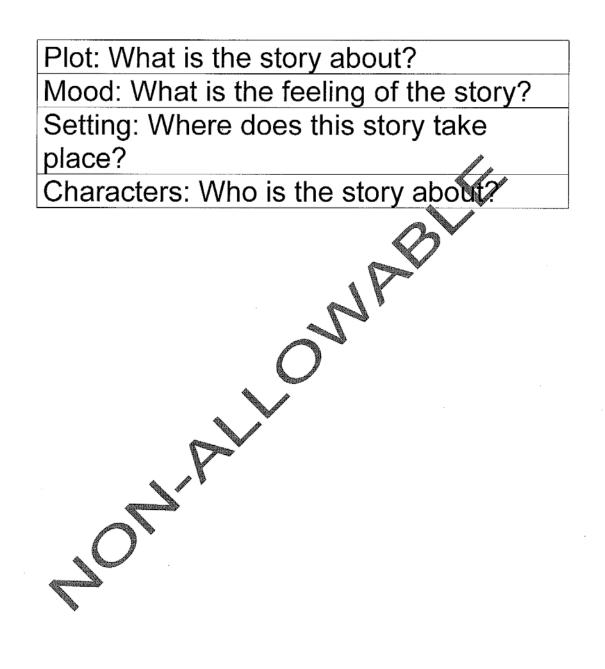
A **friendly letter** has five parts. They are the heading (1), greeting (2), body (3), closing (4), and signature (5). Match each number with the letter part below.

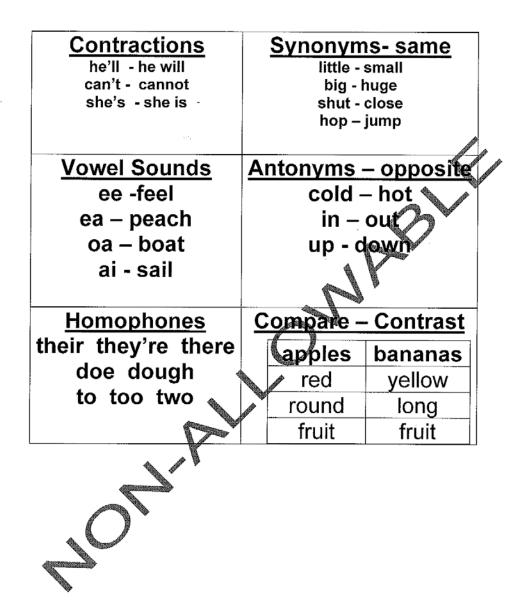


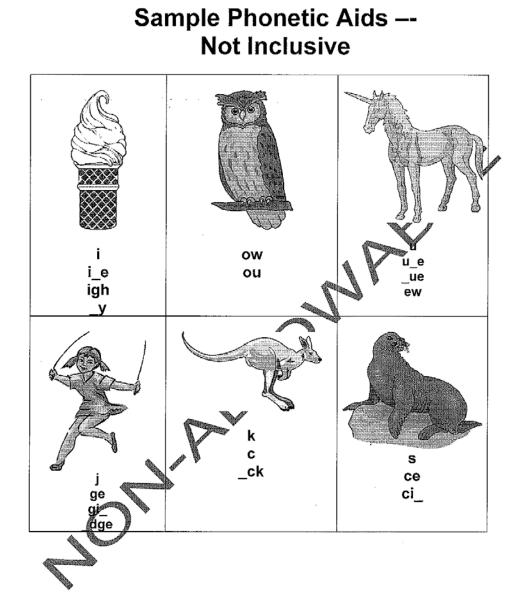
Words	Rules	Examples
bad	Bad is an adjective. It can be used	This was a <u>bad</u> day.
badly	after linking verbs like look and	l feel <u>bad</u> .
	feel.	
	Badly is an adverb.	i play <u>badly</u> .
borrow	Borrow means "to take."	You may borrow my pen.
lend	Lend means "to give."	I will lend it to you for the day.
can	Can means "to be able to do	Nellie can read quickly.
may	something."	and a second sec
	May means "to be allowed or	May I borrow your book?
	permitted."	
good	Good is an adjective.	The weather looks good.
well	Well is usually an adverb. It is an	She sings <u>well</u> .
	adjective only when it refers to	Do you feel well?
	health.	
in	In means "located within."	Your lunch is in that bag.
into	Into means "movement from the	He jumped interthe pool.
	outside to the inside."	
its	Its is a possessive pronoun.	The dog wagged <u>its</u> tail.
iťs	It's is a contraction of it is.	It coloitoday.
let		Riease let me go swimming.
leave	Leave means "to go away from" of	I will leave soon.
	"to let remain in place."	Leave it on my desk.
lie	Lie means "to rest or recline.	The dog lies in its bed.
lay	Lay means "to put or place	Please lay the books there.
	something."	
sit	Sit means "to rest in one place."	Please <u>sit</u> in this chair.
set	Set means "to place or put."	Set the vase on the table.
teach	Teach means to give instruction."	He <u>teaches</u> us how to dance.
learn	Learn means to receive	l <u>learned</u> about history.
	instruction."	
their	Their is a possessive pronoun.	Their coats are on the bed.
there	There is an adverb. It may also	Is Carlos <u>there</u> ?
they're	begin a sentence.	There is my book.
A STATE	They e is a contraction of they are.	They're going to the store.
two	Two is a number.	l bought <u>two</u> shirts.
to	To means "in the direction of."	A squirrel ran <u>to</u> the tree.
too	<i>Too</i> means "more than enough"	May we go <u>too</u> ?
Constanting of the second	and "also."	

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Symbol Action									
A Insert a missing word, letter o									
punctuation mark.									
I Use a lower case letter.									
<ul> <li>Capitalize a lower case letter</li> </ul>									
✓ Check spelling.									
Start a new paragraph.									
ALLONA									

-

<b>Punctuation Mark:</b>	When to use:	Example:
comma ,	to separate items in a series	In our garden we planted corn, peas, beans, and carrots.
apostrophe ´	to show ownership	My teacher's book is red.
question mark ?	to show that a question is being asked	How far is it to Jackson?
exclamation point !	to show a strong emotion	won the prize!
hyphen -	to separate a word at the end of a line	Miles ran quick- ly down the trail.
colon :	to separate the hour from the minute	lt is 12:45 p.m.
period .	at the end of a sentence	The state bird of Mississippi is the mockingbird.

# Brainstorming

- Quickly generate a list of ideas to write about.
- Prewriting
  - Create a method for organizing your ideas such as a semantic web, an outline, or other graphic organizer.

# Drafting

• Write your first copy.

# Revising

• Rework your writing for deas, style, voice, organization, and word choice.

# Editing

• Fix any errors in punctuation, capitalization, or usage.

# Polishing and Publishing

• Write a final draft that is free of errors. Share your writing with others.

- 1. Interrogative Asks a question. Use a "?" Would you share your cookies?
- 2. Declarative Makes a Statement. Use a "." I will not share my cookies.
- 3. Imperative Makes a command. Use a Share your cookies with me.

## 4. Exclamatory – Communicates strong emotion or surprise. Use an '\"

Andrew

I cannot believe you ate 27 cookies!

# \*Example: Dolch Sight List List 5

from	want	put	every
good	don't	too	pretty
any	how	got	jump 🔨
about	know	take	green
around	right	where	four

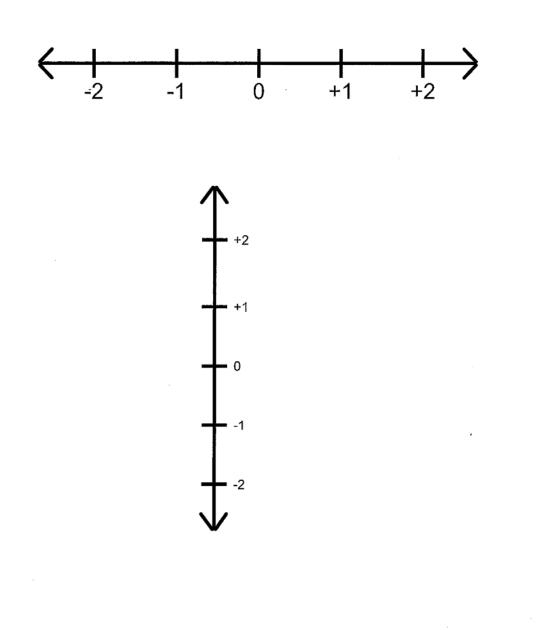
\* No sight word vocabulary, word walls, or content vocabulary should be displayed

26

### Accommodation 48

### MATHEMATICS

Less Than | Greater Than

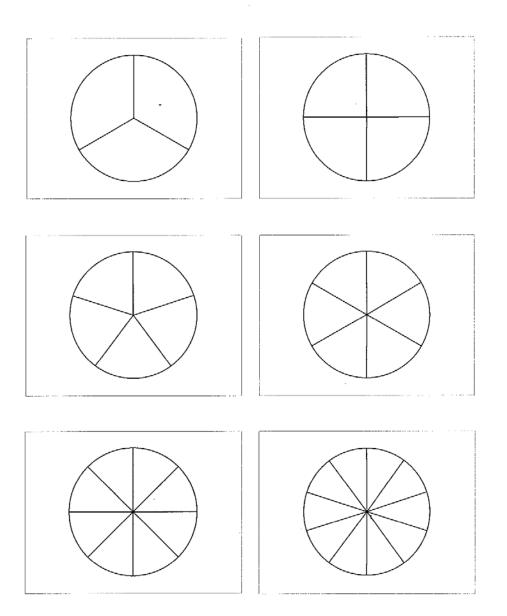


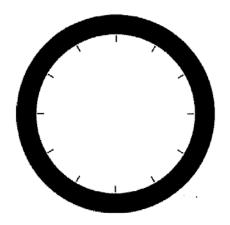
29

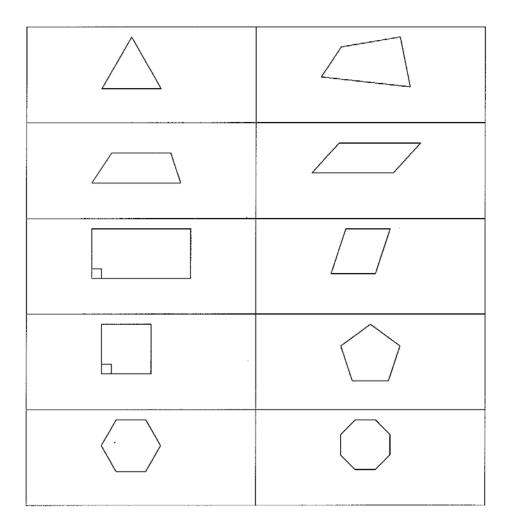
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	-					

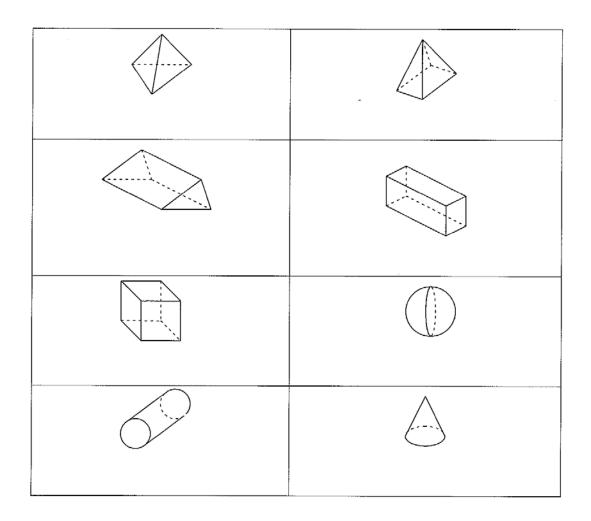
			Í	

31









**Allowable Memory Aid** 



## **Allowable Memory Aid**

## WORD BANK

HEXAGON OCTAGON PARALLELOGRAM PENTAGON QUADRILATERAL RECTANGLE RHOMBUS SQUARE TRAPEZOID TRIANGLE

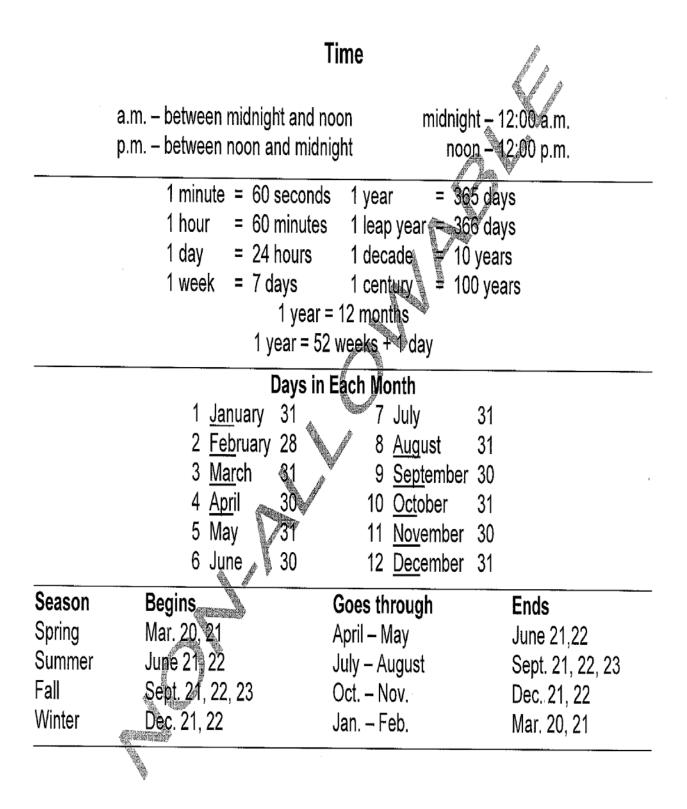
CONE CUBE CYLINDER RECTANGULAR PRISM RECTANGULAR PYRAMID SPHERE TRIANGULAR PRISM TRIANGULAR PYRAMID

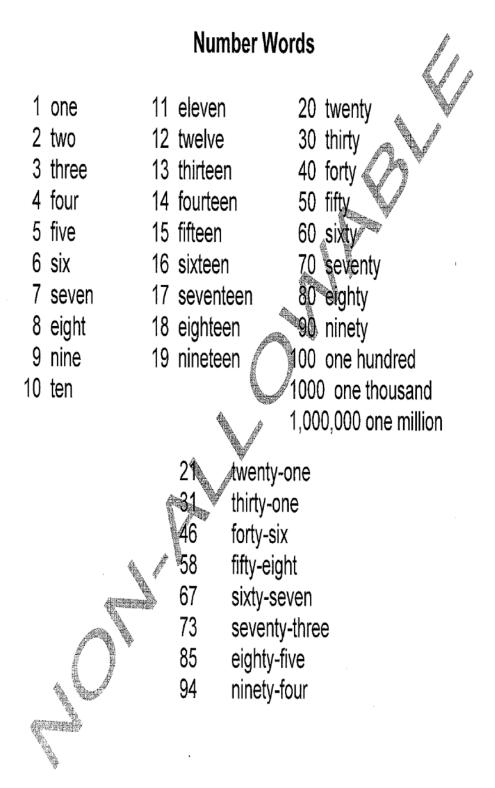
## **Allowable Memory Aid**

DMSCB PEMDAS BEDMAS PEDMAS KHD**m**dcm Does McDonalds Sell Cheese Burgers? Please Excuse My Dear Aunt Sally Big Elephants Destroy Mice And Snails Pink Elephants Destroy Mice And Snails King Henry Died Monday Drinking Chocolate Milk Accommodation 48

### MATHEMATICS

### NON-ALLOWABLE

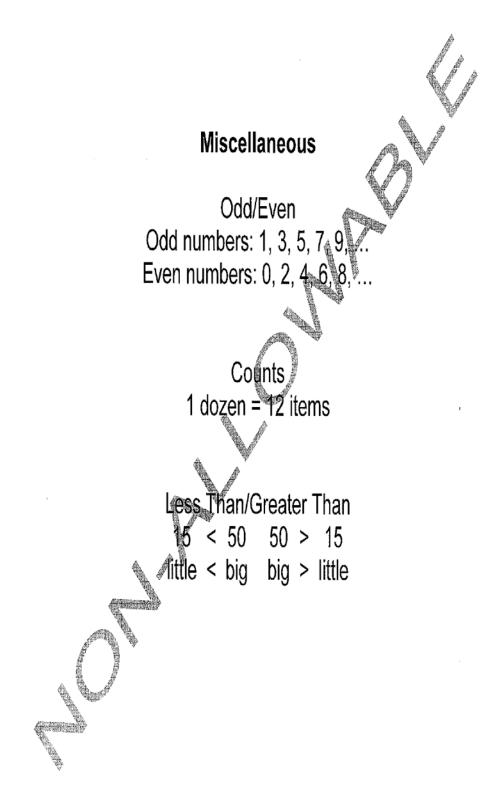


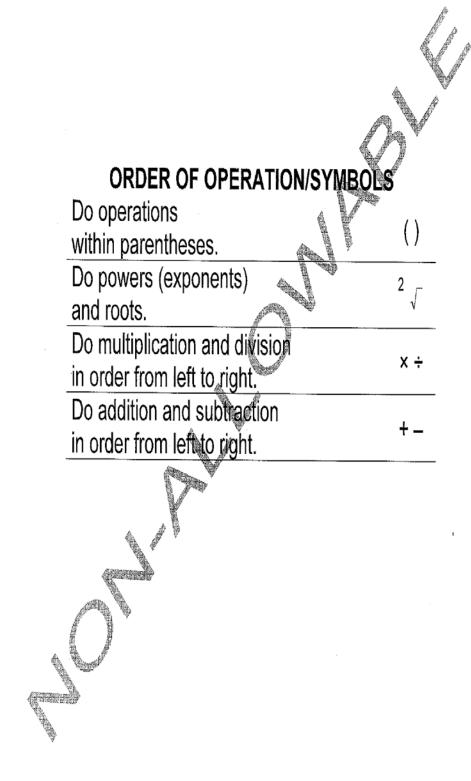


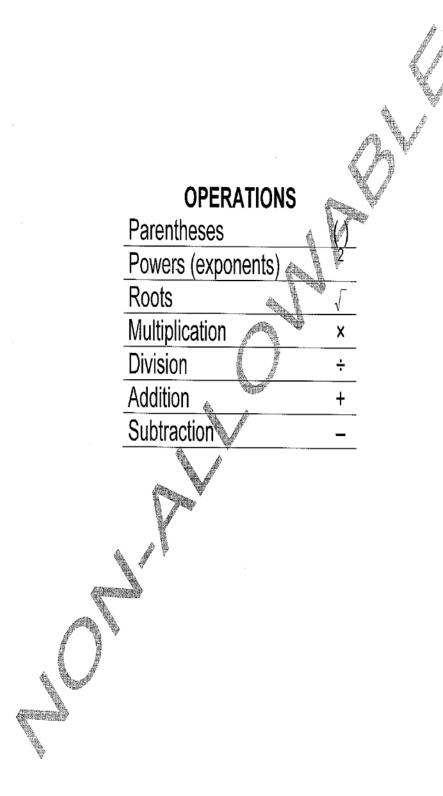
**Addition Chart** 

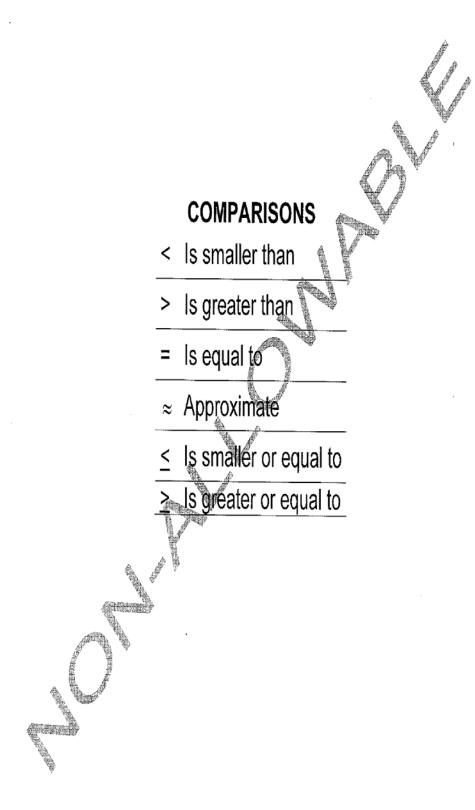
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+	0	1	2	3	4	5	6	7	8	9
0	0	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	$\nabla \mathcal{T}$	8	9	10
2	2	3	4	5	6	6 7 8	8	9	10	11
3	3	4	5	6		8	9	10	11	12
4	4	5	6	7	8	9	10	11	12	13
5	5	6	7	8	9	10	11	12	. 13	14
6	6	7	8	>9.	10	11	12	13	14	15
7	7	8	49 JA	<sup>9</sup> 10	11	12	13	14	15	16
8	8	9	10	11	12	13	14	15	16	17
9	9	10	11	12	13	14	15	16	17	18
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					Multipl	icatio	n Char	t		(	¢	
Х	1	2	3	4	5	6	7	8	9	10	11	12
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2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21 🌾	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	- Carlos - C	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35 🌂	42	49	56	63	70	77	84
8	8	16	24	32	40	e 48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30 (	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144
13	13	26	36 39	52	65	78	91	104	117	130	143	156
14	14	28	42	56	70	84	98	112	126	140	154	168









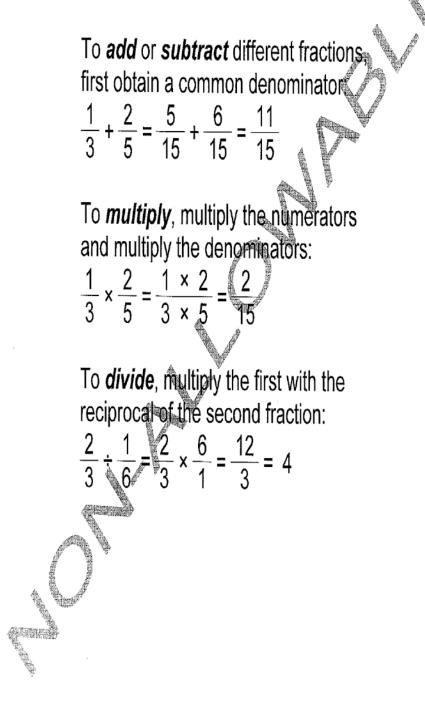
- $\frac{3}{5}$  numerator 5 denominator

**FRACTIONS** the number above the line in a fraction the number below the line in a fraction

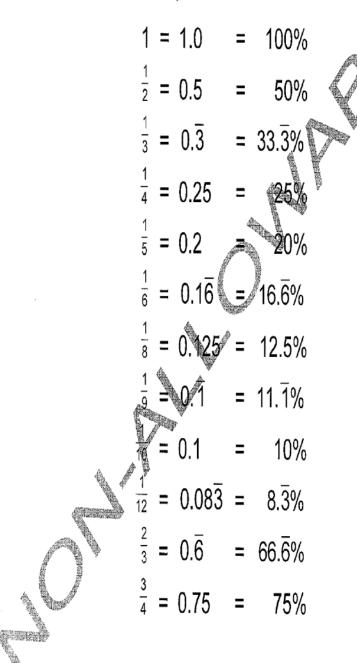
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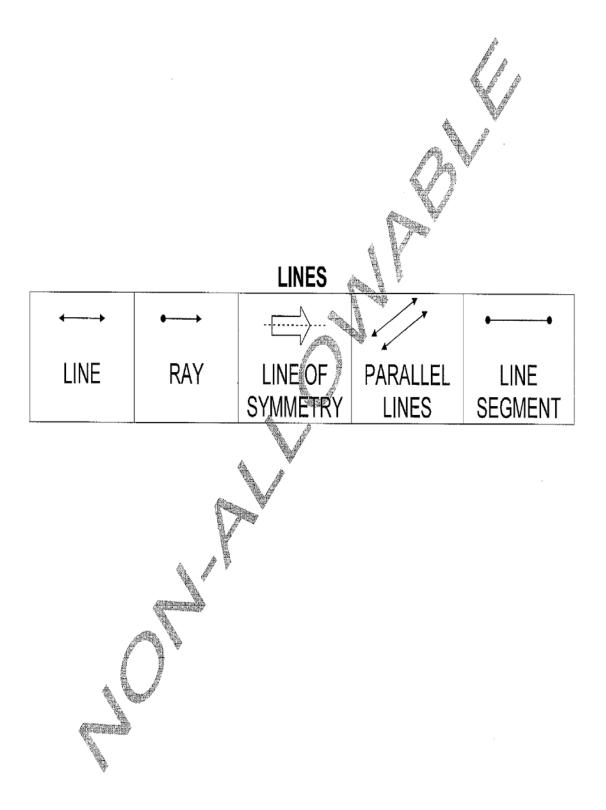
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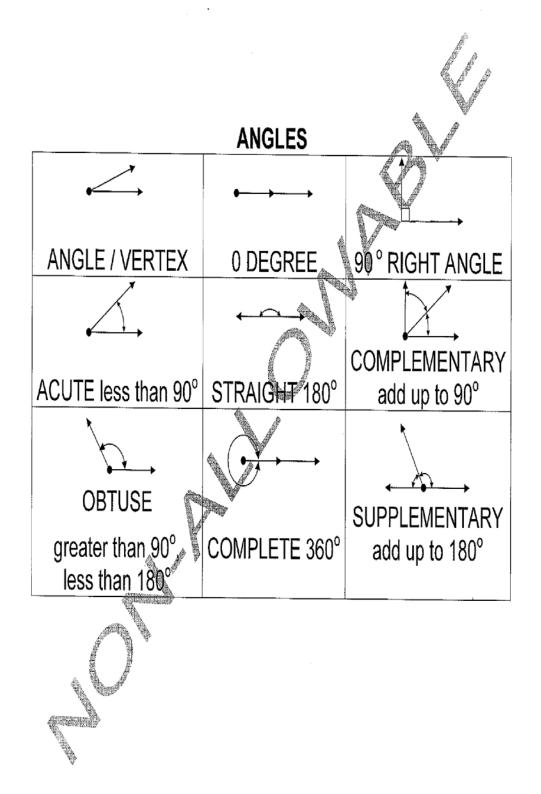
## **OPERATIONS WITH FRACTIONS**

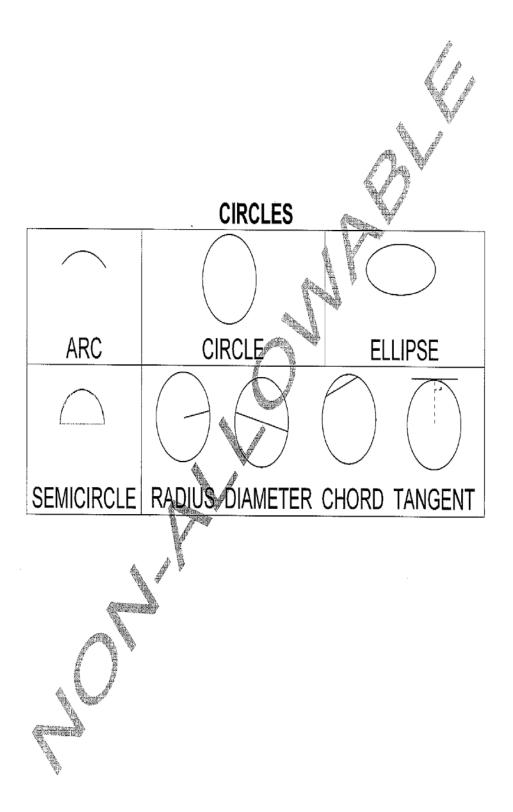


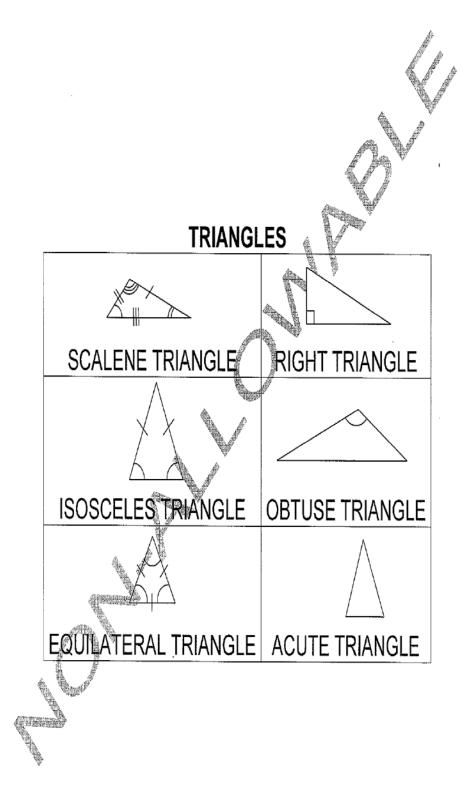


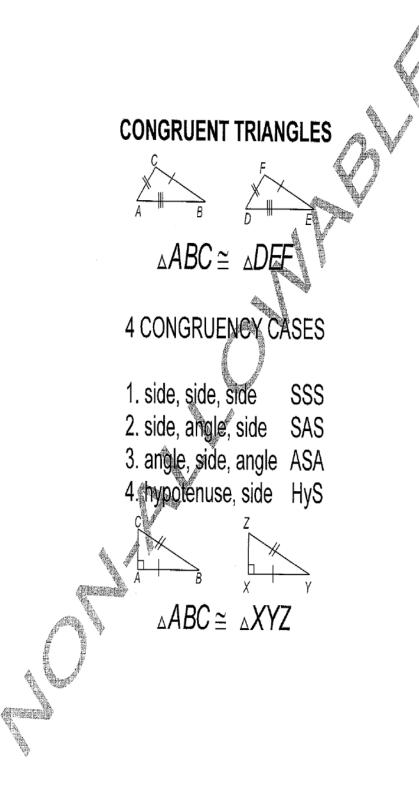


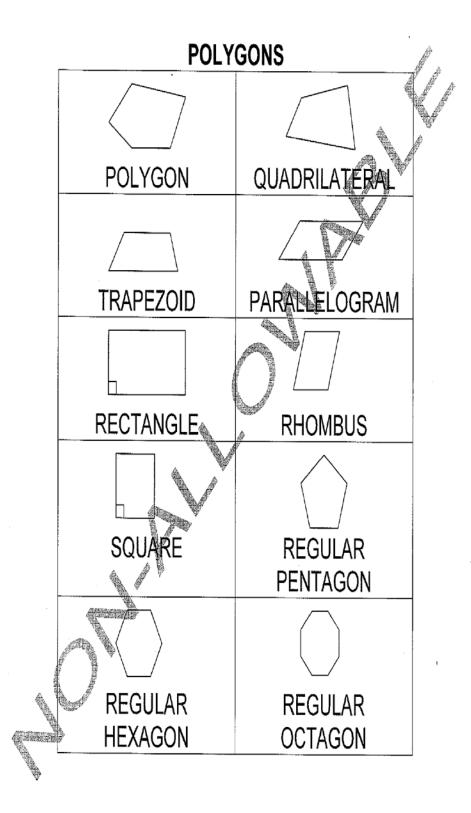


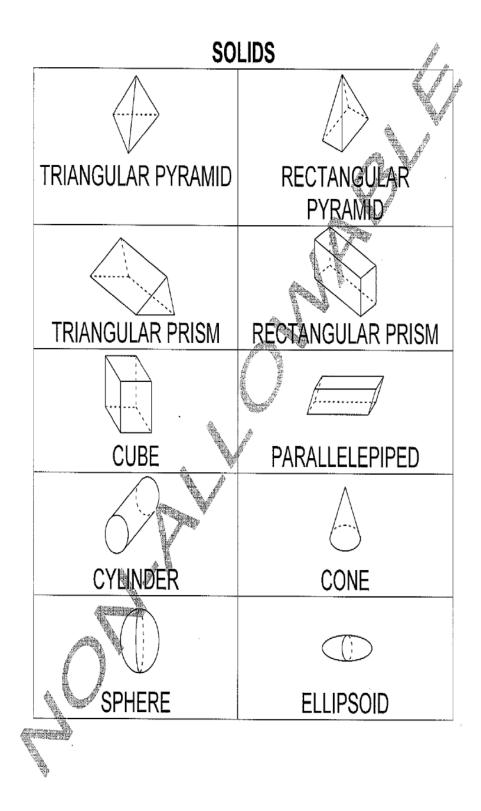


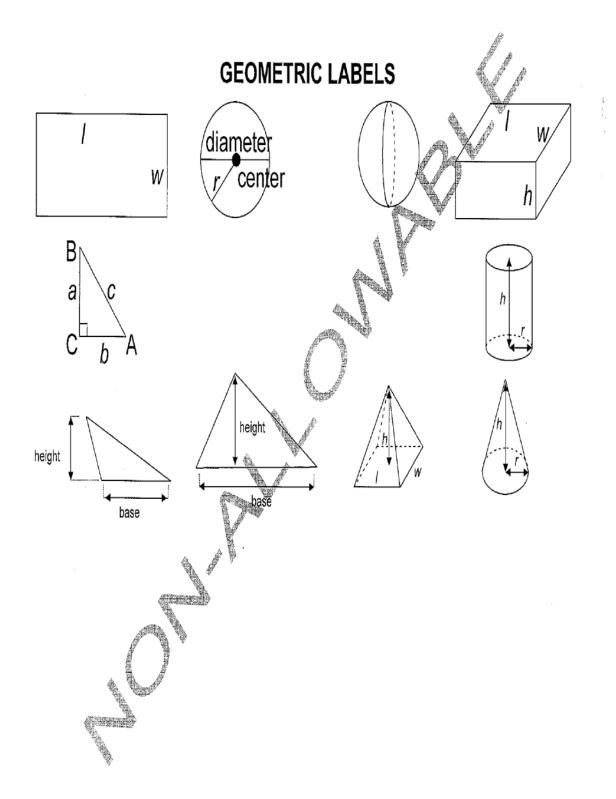






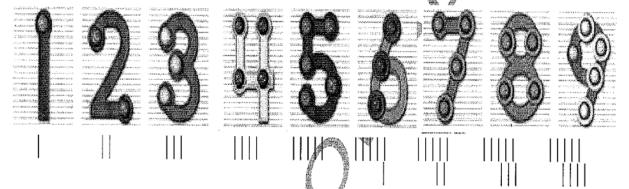






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1	x	3	=	3	2	x	3	=	6	3	x	3	=	9		4	x	3	=	12		5	X	3	-	15	6	x	3	=	18
1	x	4	=	4	2	x	4	=	8	3	x	4	=	12		4	x	4	=	16	Á	5	X	4		20	6	x	4	=	24
1	x	5	=	5	2	x	5	=	10	3	x	5	=	15		4	x	5	=	20		5	X	5	=	25	6	x	5	=	30
1	x	6	Ξ	6	2	x	6	=	12	3	X	6	=	18		4	x	6	=	24	P.	5/	X	6	=	30	6	x	6	=	36
1	x	7	=	7	2	x	7	=	14	3	x	7	=	21		4		7		28	T	₽5	x	7	=	35	6	x	7	Ŧ	42
1	x	8	=	8	2	x	8	=	16	3	x	8	=	24		4	x	8	Silling Silling	32		5	x	8	=	40	6	x	8	=	48
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1	x	10	=	10	2	x	10	=	20	3	x	10	=	30		4	×	10	=	40		5	x	10	=	50	6	x	10	=	60
1	X	11	=	11	2	x	11	=	22	3	x	11	=	33	Å	A	×	٩ł	1	44		5	x	11	=	55	6	x	11	=	66
1	x	12	=	12	2	x	12	=	24	3	x	·12	=	36		4	ALX NO	12	=	48		5	x	12	=	60	6	x	12	Ξ	72
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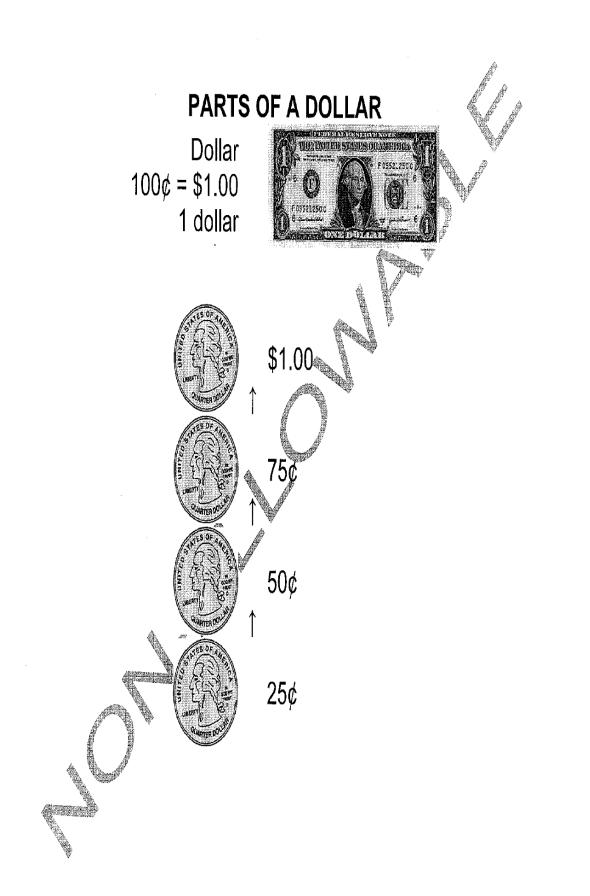
# TOUCH-POINT NUMBERS

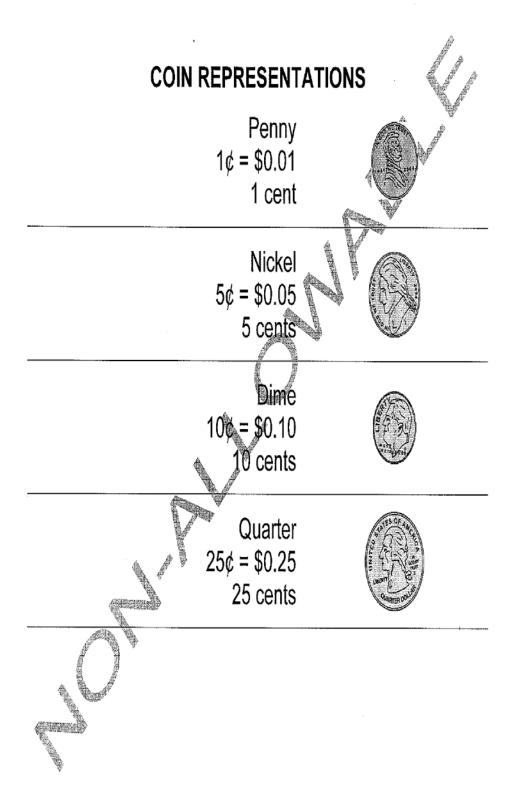


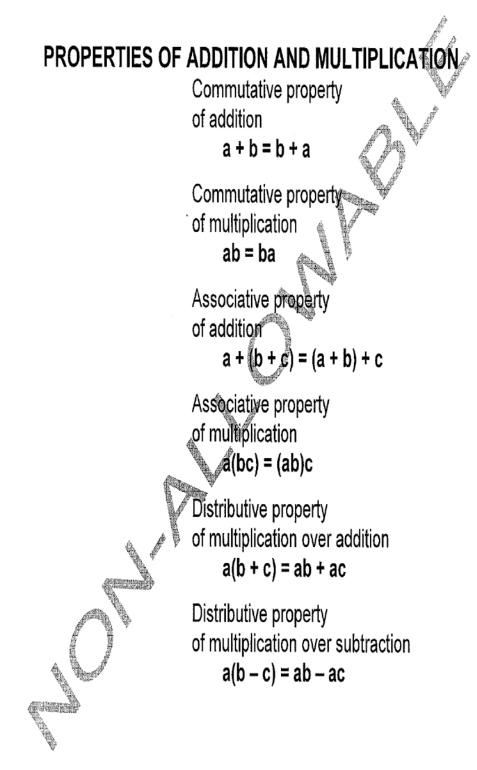
adapted from https://www.touchmath.com/index.cfm?fuseaction=products.welcome&Cid=2&Pid=109

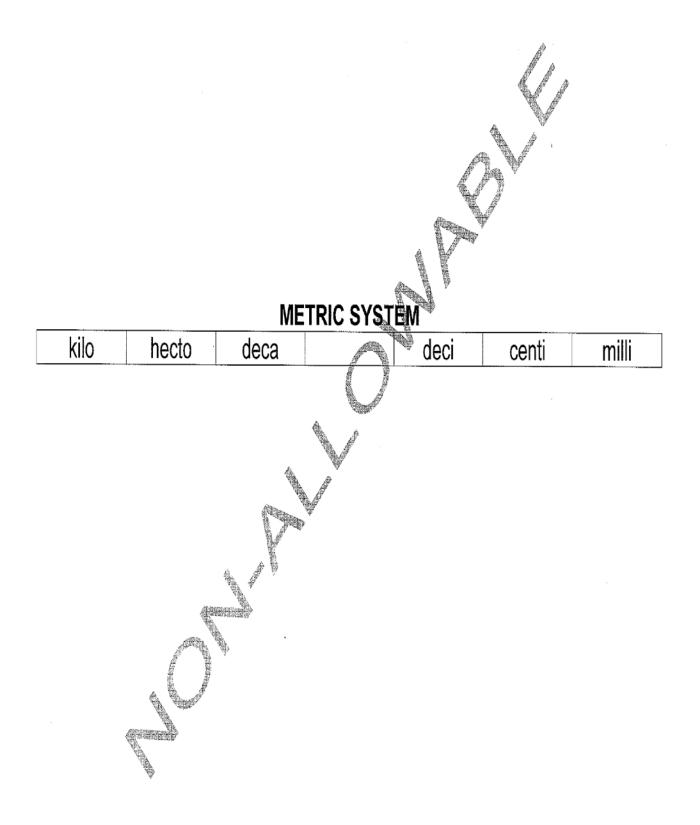
60

Spenned .









# METRIC SYSTEM CONVERSIONS

1000	100	10	1	0.1	0.01	0.001
kilo	hecto	deca		deci	centi	milli
km	hm	dam	m	dm	cm	mm
kg	hg	dag	g	dg	cg	mg
kl	hl	dal		dl	cl	ml

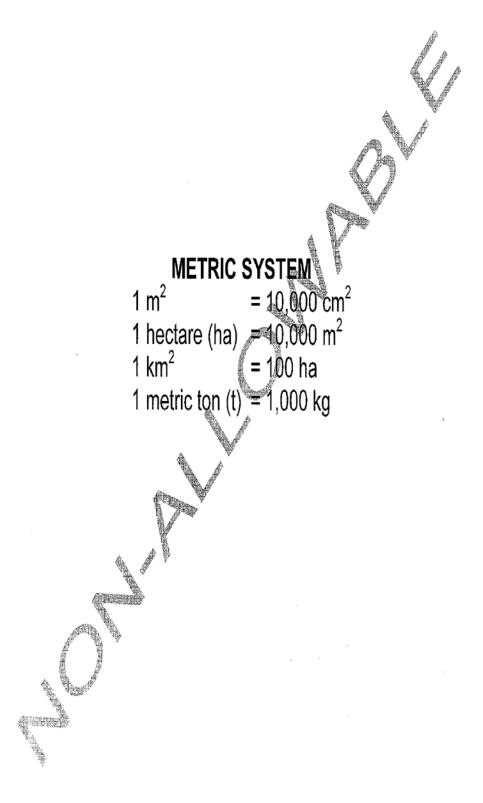
		the International Syster
UNITS OF MEAS. A		
meter	m	length 🛛 😽
hectare	ha	area
ton	t	mass
kilogram	kg	mass 🔨
nautical mile	М	distance (navigation)
knot	kn	speed (navigation)
liter	L	volume or Capacity
second	S	time
hertz	Hz	frequency
candela	cd	luminous intensity
degree Celsius	°C	temperature
kelvin	K 🗸	thermodynamic temperature
pascal	⊾ Pa ∕	pressure, stress
joule	<u> </u>	energy, work
newton	N	force
watt 🔥 🖉 🕅	W	power, radiant flux
ampere	А	electric current
volt	V	electric potential
ohm	Ω	electric resistance
coulomb	С	electric charge
		-
namesty.		

### COMMON LINITE 1 31L 1L 1...1 1: . 4 A.

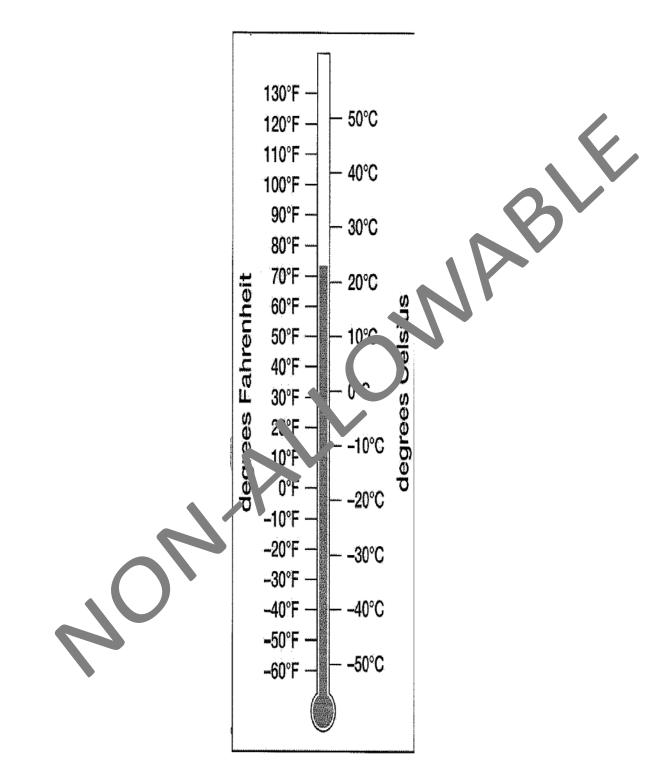
						# a					
		ME	EASUREMEN	IT CONVER	SIO	NS	y.				
LENGTH /	ARI	EA		WEIGHT / CAPACITY							
to go from		to	multiply by	to go from	and the second	to	multiply by				
cm	$\rightarrow$	in	0.3937	9	À	0Z	0.0353				
in	$\rightarrow$	cm	2.54	OZ	•	g	28.35				
m	$\rightarrow$	ft	3.2808	kg	$\rightarrow$	lbs	2.2046				
km	$\rightarrow$	mi	0.6214	t j	$\rightarrow$	Т	1.1023				
mi	$\rightarrow$	km	1.609	T	$\rightarrow$	t	0.9072				
$m^2$ ft <sup>2</sup>		ft <sup>2</sup>	10.76	m	$\rightarrow$	fl oz	0.0338				
ft <sup>2</sup>	$\rightarrow$	$m^2$	0.0929	fl oz	$\rightarrow$	ml	29.575				
km <sup>2</sup>		mi <sup>2</sup>	0.3861	L	$\rightarrow$	US gal	0.2642				
mi <sup>2</sup>	$\rightarrow$	km <sup>2</sup>	2.59	US gal	$\rightarrow$	L	3.785				
			A APP IN								
		(Perese		×							
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State Sale

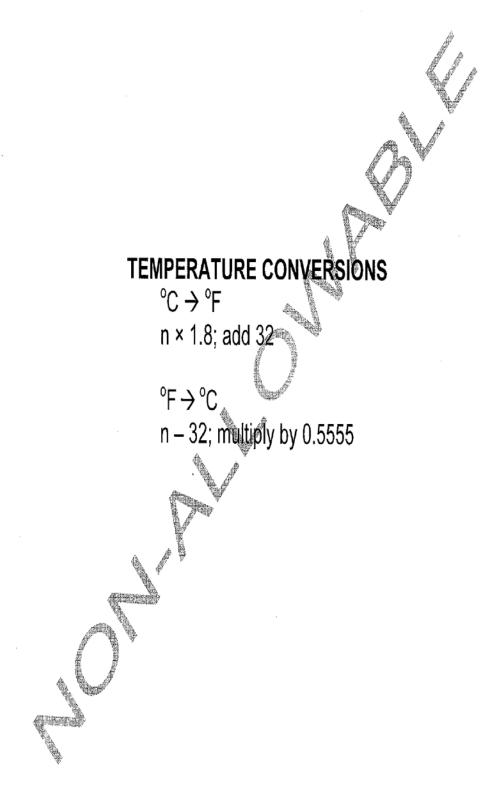
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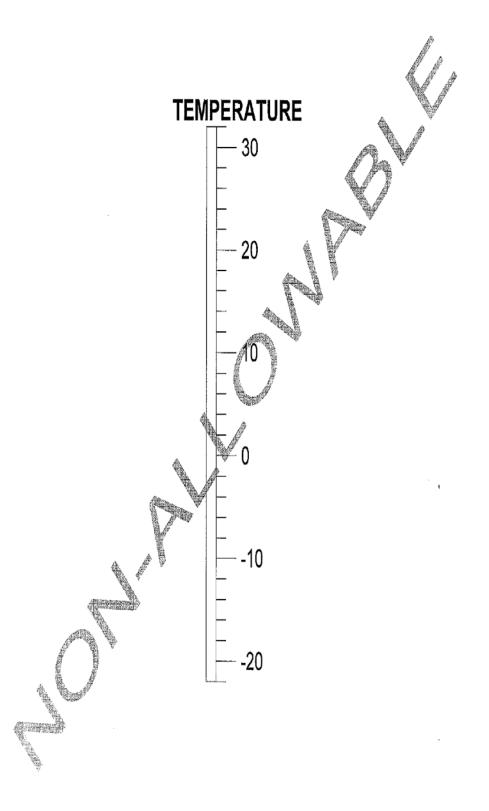


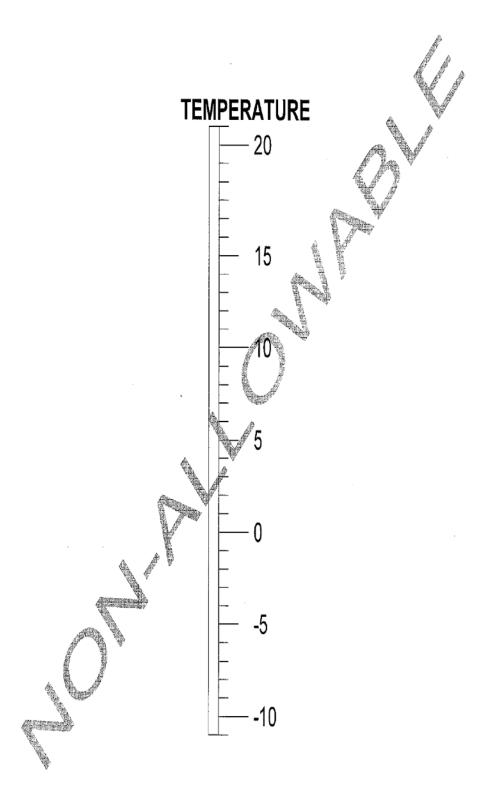
		ENGLISH SYSTEM
Length		
	1 foot (ft)	= 12 inches (in) = 1' = 12"
	1 yard (yd)	= 3 feet = 36 inches
	1 mile (mi)	= 1,760 yards = 5,280 feet
Liquid		
	1 tablespoon (T)	
	1 cup (c)	= 16 T = 8 fluid ounces (fl oz)
	1 pint (pt)	= 2 c
	1 quart (qt)	= 2 pt = 4 c = 32 fl oz
	1 gallon (gal)	= 4 qt
Weight		
	1 pound (lb)	= 16 eunces (oz)
	1 ton (t)	= 2000 pounds
Area		4 ·
	5.525	$= 144 \text{ in}^2$
	1 yd <sup>2</sup>	$= 9 \text{ ft}^2$ = 4,840 yd <sup>2</sup>
	1 acre	$= 4,840 \text{ yd}^2$
	Carry	

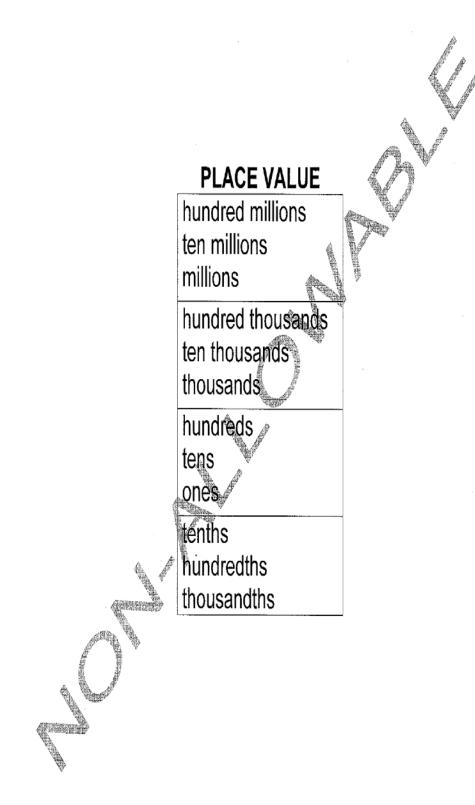


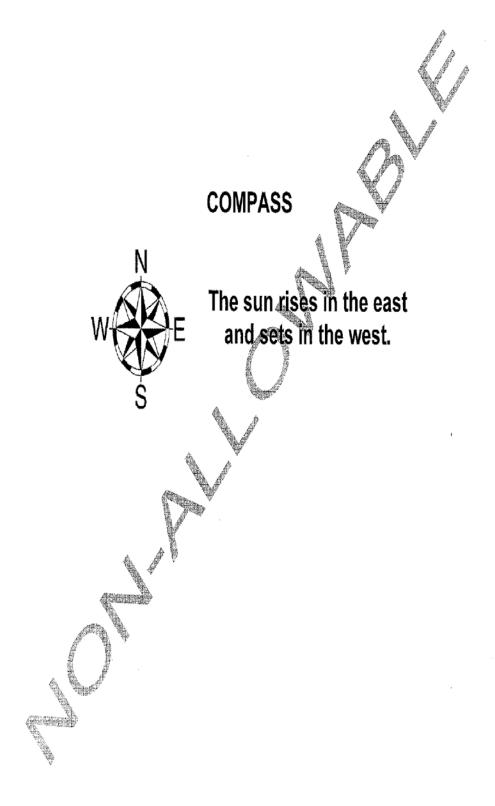
## **TEMPERATURE**

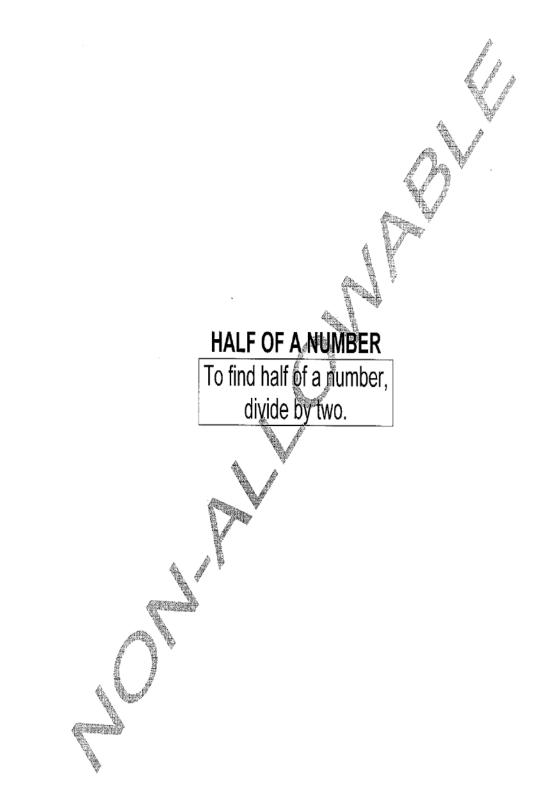


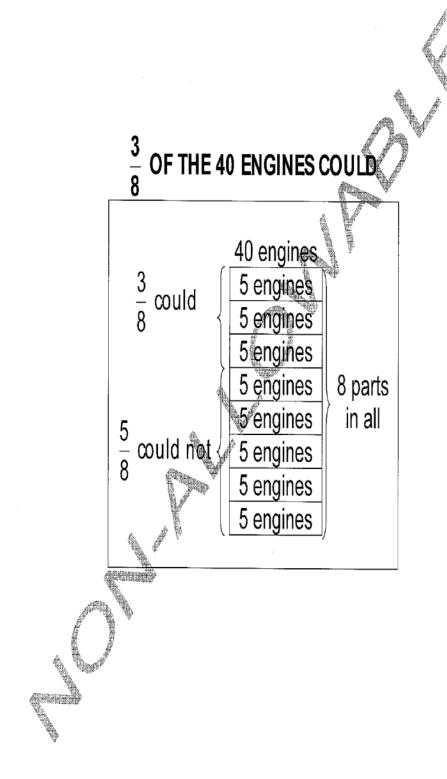








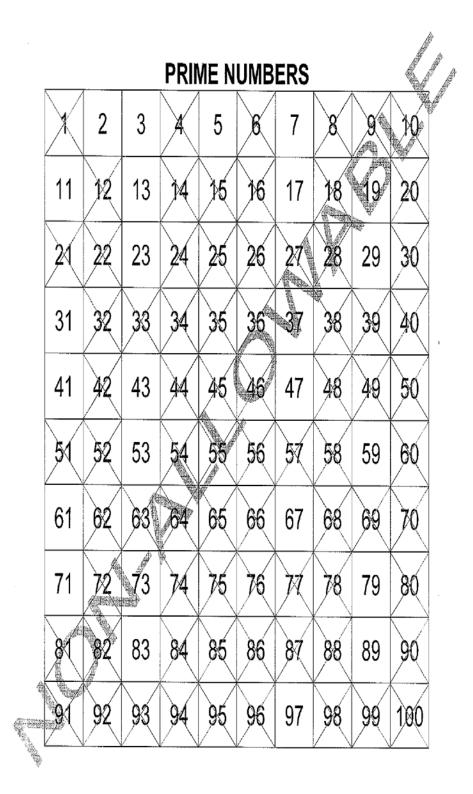


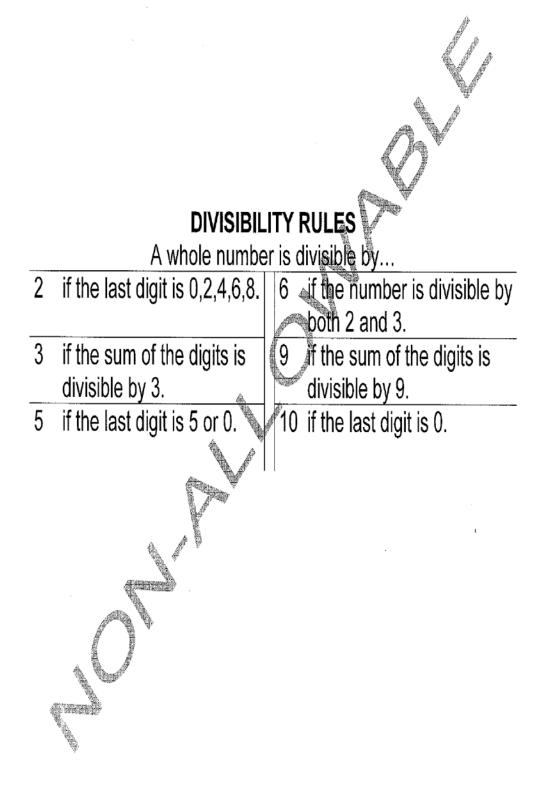


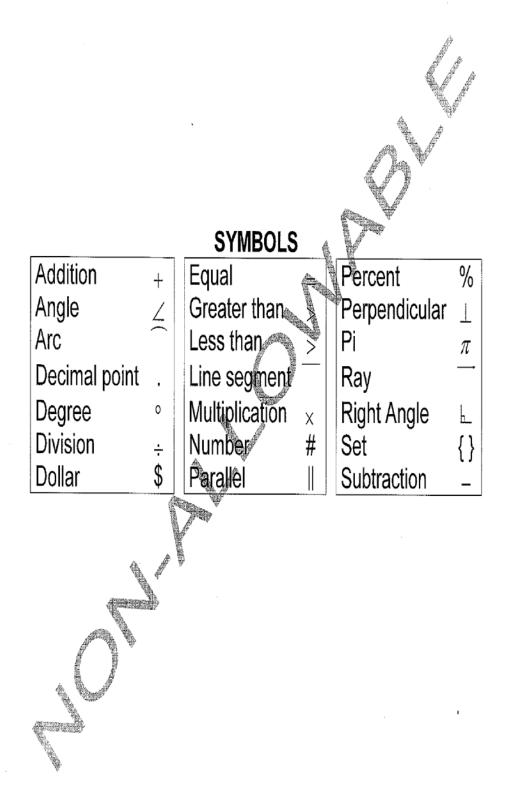
# FIND THE MISSING NUMBERS

K

(Word Problem Thinking Pa	atterns: Sketch the pattern. Record the information.)
SOME,	Some - If missing, subtract.
SOME MORE	<u>+ Some more</u> ← If missing, subtract.
	Total ← If missing, add.
SOME WENT AWAY	Some 🗲 If missing, add.
	<u>- Some went away</u> 🗧 If missing, subtract.
	What's left
LARGER, SMALLER,	Larger
DIFFERENCE	<u>- Smaller</u> the If missing, subtract.
	Difference 🗲 If missing, subtract.
LATER, EARLIER,	Later ← If missing, add.
DIFFERENCE	<u>-Earlier</u> ← If missing, subtract.
	Difference ← If missing, subtract.
EQUAL GROUPS 🔨 N	umber in each group ← If missing, divide.
(tours)	× Number of groups ← If missing, divide.
PAN N	How many <- If missing, multiply.

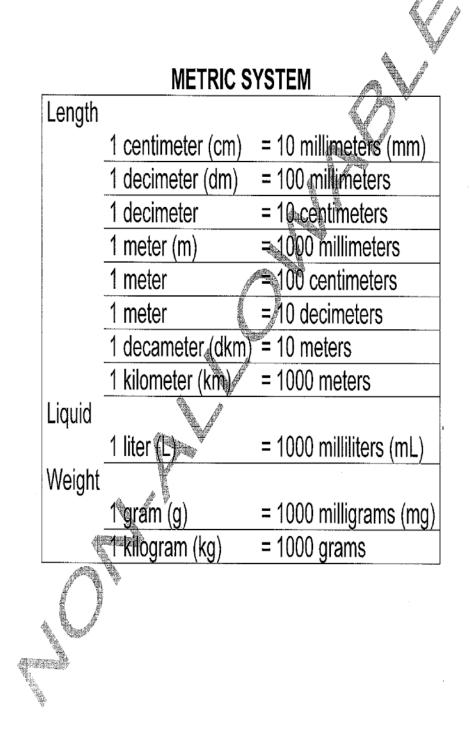


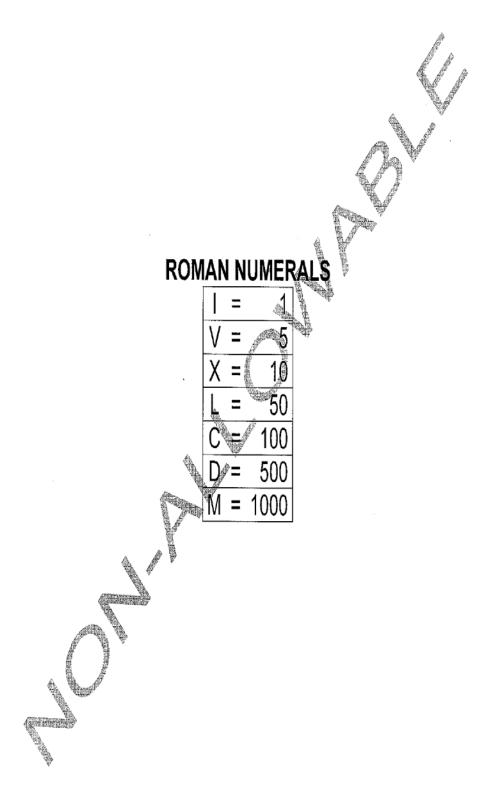




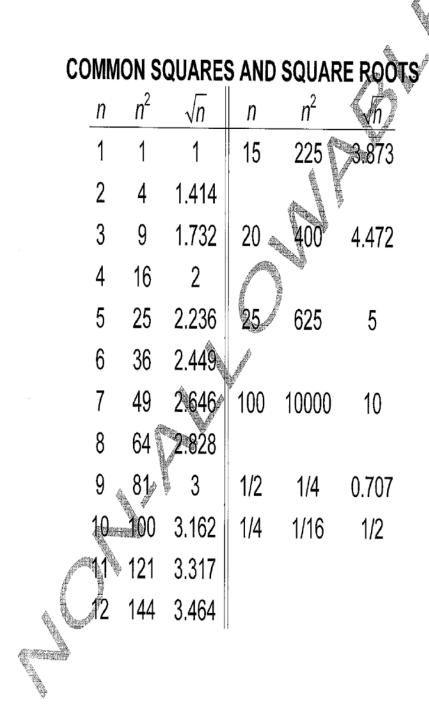
		and the second second
	NUMBERS	
Prime	A whole number which has only two	Examples:
Number:	factors, itself and 1.	2, 3, 7, 11, 13, 17.
	<u> </u>	
Common	A number that is a factor of two or	Examples:
Factor:	more numbers.	1, 2, and 4 are common
		factors of 12 and 16.
Greatest	The greatest number that is a factor	Example:
Common	of two or more numbers	4 is the greatest common
Factor:	\ / ×	factor of 12 and 16.
Least	The smallest number that is a multiple	Example:
Common	of two or more numbers.	12 is the least common
<b>Multiple:</b>		multiple of 2, 3, 4, and 6.

•

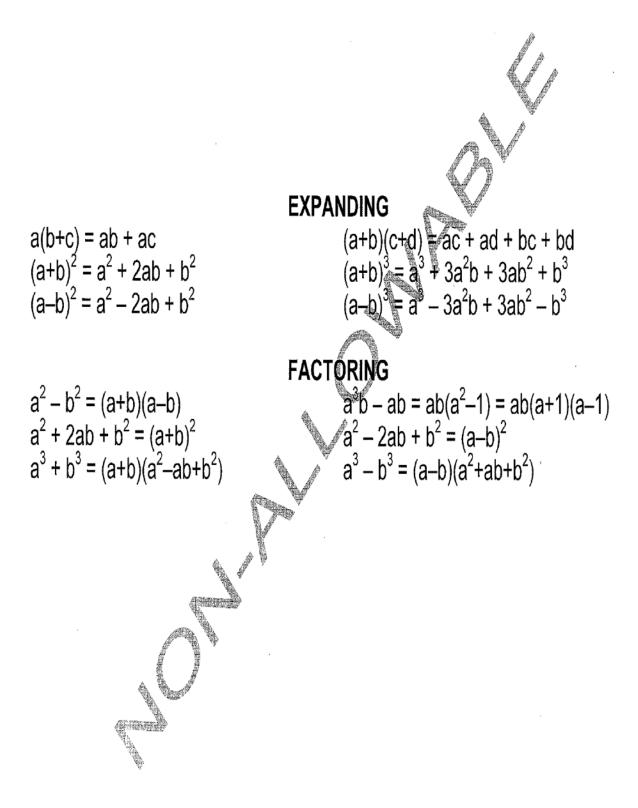


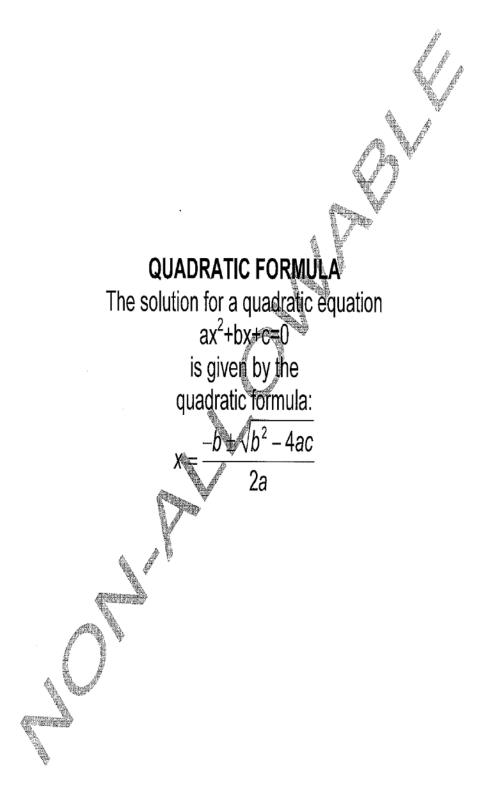


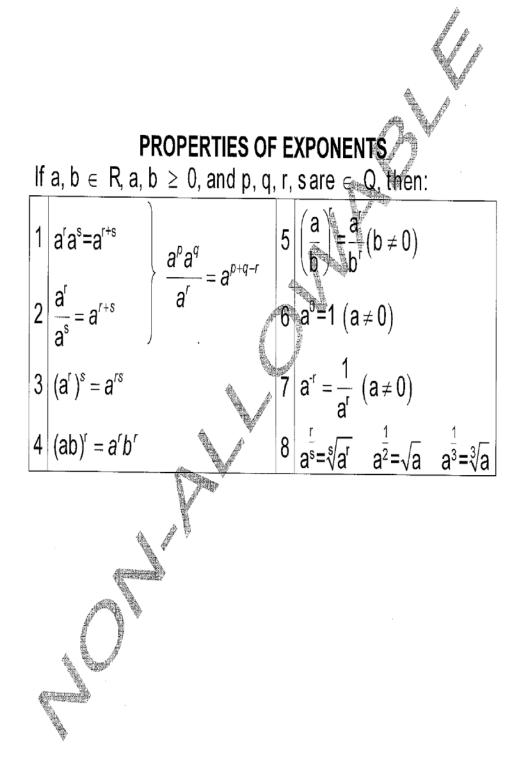


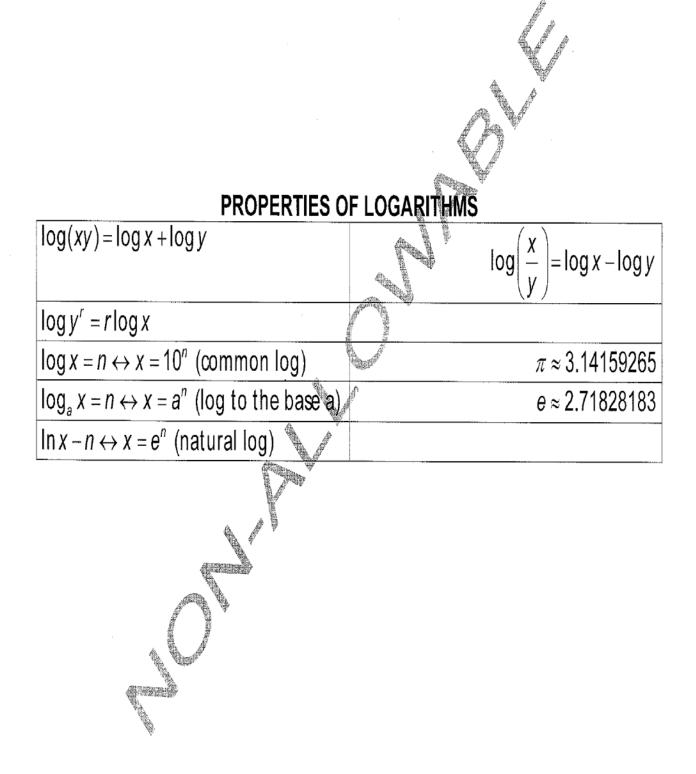


## **PROBLEM SOLVING STEPS** First things first: find out what the real problem is. UNDERSTAND 1 & EXPLORE **GUESS** Make a reasonable guess and check it out; try again if 2 & CHECK necessary. Sort out all the information, draw a picture, graph or table, SOLVE 3 THE and write it out in math. Sometimes it may help to work PROBLEM backward! CHECK Think logically...does your solution make sense? Try it out if 4 YOUR you can. 🦿 **ANSWER**









#### Testing Accommodations Chart (CUM Copy)

*Directions:* Complete the information below and circle the accommodations for each assessment in which the student will participate.

Sch	ool:	Grac	le:	-	Stude	nt Na	ime:							
Ag For	m Completed by (print name):				Initia	l Rev	view	Date:						
Tea	cher's Signature:				Subse	equer	nt Re	view D	ate:					
Cir	cle one: General ELL 504 PL	an	IEP											
		GEN	E	LL	CP AS		MC'	Т2		SA	ATP2		MW AP3	MS T
#	ACCOMMODATION	General (ALL students)	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	U.S. History	Writing Assessment English II	Science 5 & 8
1	At the front of the room	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
2	Facing test administrator while directions given	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
3	In a small group	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
4	Individually to accommodate specific disability	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
5	In a familiar room	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
6	With a familiar teacher	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7	At home (only for homebound students)	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
8	In a study carrel	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
9	With special lighting	Ν	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

	10	Specialized table to fit a student's wheelchair	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	11	Secure paper to work area with magnets/tape	Ν	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
			GEN	EI	L	CPA S		MCI	Γ2		SA	TP2		MWA P3	MS T
	#	ACCOMMODATION	General (ALL students)	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	U.S. History	Writing Assessment English II	Science 5 & 8
	21	With scheduled rest breaks	Ν	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ng	22	At time of day to accommodate student's disability	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
cheduli	23	Until, in test administrator's judgment, the pupil can no longer continue the activity	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Timing / Scheduling	24	Administer the test over several sessions, specifying the duration of each session (MDE prior approval required) <b>REFER TO</b> <b>NOTE 4</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	25	Administer the test over several days, specifying the duration of each day's session (MDE prior approval required) <b>REFER TO</b> <b>NOTES 4 &amp; 16</b>	N	Y	Note 16	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	40	Large print	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
uc	41	Braille <b>REFER TO NOTE 5</b>	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
atio	42	Hearing aids	N	Ν	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Presentation	43	Auditory trainers	Ν	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
res	44	Transparent color overlays	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
P	45	Magnifying glasses/magnifying equipment	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	46	Templates to reduce visible print	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

47	Provide cues (e.g., arrows and stop signs) on answer form in pencil <b>REFER TO NOTE</b> <b>6</b>	Ν	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
48	Use of memory aids, fact charts, resource sheets, and/or abacus <b>REFER TO NOTE</b> 7	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y

			GEN	EI	ĹL	CPA S		MC	Т2		SA	TP2		MWA P3	MS T
	#	ACCOMMODATION	General (ALL students)	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	U.S. History	Writing Assessment English II	Science 5 & 8
	49	Clue student to stay on task	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	50	Highlight key words/phrases in directions (e.g., complete sentences, show your work) by the teacher	N	Y	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	53	Read test directions (but <u>not</u> test items) to individual students or a group repeating and/or paraphrasing directions if needed <b>REFER TO NOTE 8 &amp; 9</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
ion	55	Read test directions and test items to individual students or a group repeating directions/items, but <u>not</u> paraphrasing <b>REFER TO NOTES 8 &amp; 9</b>	N	Y	N	Y	N	Y	Y	Y	Y	N	Y	Y	Y
Presentation	58	Read test directions and test items to individual students or a group repeating and/or paraphrasing <u>only</u> the directions if needed <b>REFER TO NOTES 8 &amp; 9</b>	N	Y	N	Y	N	Y	Y	Y	Y	N	Y	Y	Y
	60	Use of highlighter (yellow only) by student in test booklet	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

	61	Calculator (MCT2 Mathematics: Allowable only in grades 7 and 8) <b>REFER TO NOTE</b> <b>15</b>	N	Note 15	N	N	N	N	Note 15	Y	N	N	N	N	N
--	----	--	---	------------	---	---	---	---	------------	---	---	---	---	---	---

			GEN	E	ĹL	CP AS		MC	Г2			SATI	22		MWA P3	MST
	#	ACCOMMODATION	General (ALL students)	MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	Eng. II MC - Writing/Grammar	U.S. History	Writing Assessment English II	Science 5 & 8
	70	Dictation of answers to test administrator/proctor (scribe) <b>REFER TO NOTE 10</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	72	Allow marking of answers in booklet and transferring of answers from test booklet/answer document to answer document by test administrator (i.e., large print) <b>REFER TO NOTE 11</b>	N	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	73	Tape record responses for later verbatimtranslation <b>REFER TO NOTE 12</b>	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
e	74	Provide copying assistance between drafts <b>REFER TO NOTES 10 &amp; 11</b>	N	N	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Response	75	Brailler	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Res	76	Communication board	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	77	Augmentative communicative device	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	78	Computer / word processor ( <u>without</u> grammar/syntax checker & <u>without</u> work completion/prediction feature) <b>REFER TO NOTE 13</b>	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	79	Computer / word processor ( <u>without</u> grammar/syntax checker, <u>with</u> completion/prediction activated)	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	¥N	Y
	80	Adapted keyboards	N	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

			GEN	E	LL	CP AS		MC	Т2			SATI	22		MWA P3	MS T
	#	ACCOMMODATION	General (ALL students)	MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	Eng. II MC - Writing/Grammar	U.S. History	Writing Assessment English II	Science 5 & 8
Response	81	Native language dictionaries for ELL students (i.e. dictionaries that translate English words into the native language - no definitions are given in either language <b>REFER TO NOTE 14</b>	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
Re	82	Spelling dictionaries (dictionaries show correct spelling of English words; do not give definitions).	N	N	N	N	N	N	Y	Y	Y	N	N	Y	N	Y
	98	Other <b>allowable</b> accommodation	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	99	Other non-allowable accommodation	N	N	N	N	Ν	Ν	N	Ν	Ν	N	Ν	N	N	N

## **Mississippi Testing Accommodations Manual**

Publication Date: August 2011 Revised December 2012 January 2013



Ensuring a bright future for every child

Mississippi Department of Education Office of Student Assessment

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### Overview

The list of accommodations shows the numeric codes to be entered in the designated areas on student answer documents or test booklets. **The accommodations that are allowable on each of the statewide tests vary.** A list of allowable and non-allowable accommodations for each test is located in this document.

The **General Accommodations** are allowable and may be used by <u>all</u> students on each of the statewide tests. These accommodations do not have to be entered on the student's answer document. Any accommodation utilized for the assessment of students must be used during the student's routine classroom instruction, including classroom assessment.

All <u>eligible</u> students may utilize appropriate assessment accommodations when participating in the statewide assessments. Any accommodation utilized for the assessment of students must be

- based upon the learning needs of the individual student through decisions made and officially documented on the IEP/504 Plan prior to the test administration, or
- > based on the student's temporary physical disability, and
- > used during the student's **routine** classroom instruction, to include classroom assessment.

All **English Language Learner** students may utilize appropriate assessment accommodations when participating in the statewide assessments. Any accommodation utilized for the assessment of individual students must be:

- based upon the individual student's learning needs,
- > based upon decisions made prior to the test administration, and
- > used during the student's routine classroom instruction, to include classroom assessment.

#### **Testing Accommodations Chart (Main)**

			GE N	EI	L	CPA S	N	ЛСТ	2			SATI	2		MW AP <u>3</u>	MS T
	#	ACCOMMODATION		SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	<del>Eng. II_MC_</del> Writing/Grammar	U.S. History	Writing Assessment Grades 4 & 7 English II	Science 5 & 8
	1	At the front of the room	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	2	Facing test administrator while directions given	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	3	In a small group	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	4	Individually to accommodate specific disability	N	N	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
ದ	5	In a familiar room	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Setting	6	With a familiar teacher	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Se	7	At home (only for homebound students)	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	8	In a study carrel	Ν	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	9	With special lighting	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	10	Specialized table to fit a student's wheelchair	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	11	Secure paper to work area with magnets/tape	Ν	N	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	21	With scheduled rest breaks	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
luling	22	At time of day to accommodate student's disability	Ν	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
(/Schec	23	Until, in test administrator's judgment, the pupil can no longer continue the activity	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Timing/Scheduling	24	Administer the test over several sessions, specifying the duration of each session. (MDE prior approval required) <b>REFER TO NOTE 4</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y

	25	Administer the test over several days, specifying the duration of each day's session (MDE prior approval required) <b>REFER TO NOTES 4 &amp; 16</b>	N	Y	Note 16	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	40	Large print	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	41	Braille <b>REFER TO NOTE 5</b>	Ν	Ν	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	42	Hearing aids	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	43	Auditory trainers	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	44	Transparent color overlays	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	45	Magnifying glasses/magnifying equipment	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	46	Templates to reduce visible print	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	47	Provide cues (e.g., arrows and stop signs) on answer form in pencil <b>REFER TO NOTE 6</b>	Ν	Y	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	48	Use of memory aids, fact charts, resource sheets, and/or abacus <b>REFER TO NOTE 7</b>	Ν	Y	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
г	49	Clue student to stay on task	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Presentation	50	Highlight key words/phrases in directions (e.g., complete sentences, show your work) by the teacher	N	Y	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Pre	53	Read test directions (but <u>not</u> test items) to individual students or a group repeating and/or paraphrasing directions if needed <b>REFER TO NOTE 8 &amp; 9</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	55	Read test directions <u>&amp; and</u> test items to individual students or a group repeating directions/items, but <u>not</u> paraphrasing <b>REFER TO NOTES 8 &amp; 9</b>	N	Y	N	Y	N	Y	Y	Y	Y	N	¥	Y	Y	Y
	58	Read test directions and test items to individual students or a group repeating and/or paraphrasing <u>only</u> the directions if needed <b>REFER TO NOTES 8 &amp; 9</b>	N	Y	N	Y	N	Y	Y	Y	Y	N	¥	Y	Y	Y
	60	Use of highlighter (yellow only) by student in test booklet	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y

	61	Calculator (MCT2 Mathematics: Allowable only in grades 7 and 8) <b>REFER TO NOTE 15</b>	Ν	Note 15	N	N	N	N	Note 15	Y	N	N	N	N	N	N
	70	Dictation of answers to test administrator/proctor (scribe) <b>REFER TO NOTE 10</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	72	Allow marking of answers in booklet and transferring of answers from test booklet/answer document to answer document by test administrator (i.e., large print) <b>REFER</b> <b>TO NOTE 11</b>	N	Y	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	73	Tape record responses for later verbatimtranslation <b>REFER TO NOTE 12</b>	Ν	N	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	74	Provide copying assistance between drafts <b>REFER TO NOTES 10 &amp; 11</b>	Ν	N	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
ľ	75	Brailler	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Ī	76	Communication board	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	77	Augmentative communicative device	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Response	78	Computer / word processor ( <u>without</u> grammar/syntax checker & <u>without</u> work completion/prediction feature) <b>REFER TO NOTE 13</b>	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	79	Computer / word processor ( <u>without</u> grammar/syntax checker, <u>with</u> completion/prediction activated)	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	N	Y	¥ <u>N</u>	Y
	80	Adapted keyboards	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Respon	81	Native language dictionaries for ELL students (i.e. dictionaries that translate English words into the native language - no definitions are given in either language <b>REFER TO NOTE 14</b>	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
	82	Spelling dictionaries (dictionaries show correct spelling of English words; do not give	Ν	N	Ν	Ν	N	N	Y	Y	Y	Ν	N	Y	Ν	Y

	definitions).														
98	Other <b>allowable</b> accommodation	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
99	Other <b><u>non-allowable</u></b> accommodation	Ν	Ν	N	Ν	Ν	Ν	Ν	Ν	Ν	Ν	N	Ν	Ν	Ν

In the Testing Accommodations Chart specific accommodations have a tag reading, "REFER TO NOTE \_\_\_\_". These notes are listed below by number.

**NOTE 1:** A test administrator and proctor must be present during the entire test administration for all students tested.

**NOTE 2:** It should be noted that some accommodations used routinely in the classroom may not be allowable for statewide tests. The test results of students who use non-allowable accommodations are invalid and must be excluded from summary statistics. Any student with an invalid score is considered not tested. Allowable accommodations may change the method in which test items are presented and the method of the student's response to test items but will not interfere with what the test purports to measure. An unallowable accommodation provides an unfair advantage to the student and interferes with what the test purports to measure.

**NOTE 3:** Approval must be granted by the Office of Student Assessment (OSA) <u>four (4) weeks</u> <u>prior</u> to the use of accommodations that are not included in this list. Please complete the Accommodation Request Form and submit it to OSA. It is the responsibility of the OSA to determine whether the use of such accommodation(s) will affect the validity of the assessment.

**NOTE 4:** Accommodations 24 and 25 relate to administering the test over several sessions and/or days and must be approved by the Office of Student Assessment four (4) weeks prior to their use on statewide assessments. However, the entire assessment must be completed within the testing window. Any extension that exceeds or goes beyond the day the test administration is scheduled must be pre-arranged, the procedure must be documented, and on file with the District Test Coordinator. If the student is testing over several days, he/she is not allowed to change responses to questions answered during the previous testing sessions or preview questions that will be administered in a future session.

**NOTE 5:** The Braille test administrator may review Braille test material prior to test administration, but the review must be authorized by the district test coordinator and must take place in a controlled, secure environment.

**NOTE 6:** Accommodation **47** relates to cueing. Cueing is assisting the student in focusing his/her attention. Cueing strategies include, but are not limited to, arrows, lines, space, contrasting colors, position or focal point, underlining, labeling, size, and shading. Cues may be used only in test directions and in test questions. Cues may <u>not</u> be used in the answer choices. Cues provided on answer booklets/documents must be erased before they are returned for scoring. Cues provided on test books do not have to be erased since test books are non-scorable documents.

**NOTE 7:** Accommodation **48** relates to the use of memory aids. A memory aid, fact chart, and/or resource sheet is something that helps a student remember how to find the answer; it should <u>not</u> give him/her the answer. This accommodation cannot interfere with what the test

purports to measure. For example, if the test measures computation skills, a multiplication fact chart is a non-allowable accommodation since it gives the answer or a portion of the answer to the item assessing multiplication skills.

The compilation of allowable and non-allowable materials is by no means exhaustive. Prior approval is not required for the memory aids, fact charts, and/or resource sheets labeled allowable. All other material requires prior approval from the Office of Student Assessment (OSA). You must complete the Accommodation Request Form. Submissions may be sent any time during the school year but no later than <u>four (4) weeks prior</u> to the test administration for which the use of memory aid is intended. The memory aids, fact charts, and/or resource sheets for state assessments must be <u>limited to 1-3 pages per content area</u>.

Only a student who is visually-impaired may use the abacus to solve mathematics problems. No prior approval is required for use of the abacus by these students.

**NOTE 8:** Paraphrasing is re-stating the text and does not include providing definitions or detailed explanations. <u>Only directions</u> may be paraphrased. Items, including sample questions, may not be paraphrased as part of a presentation accommodation.

**NOTE 9:** Accommodations **53**, **55**, and **58** relate to the presentation of test directions and test items (questions and answer choices) to students. In addition to reading, these accommodations may involve writing the material on a blackboard, using sign language, using a text scanner with voice synthesizer, or using other appropriate technology.

Using accommodations **55** and **58** for passages or items in the reading sections of the MCT2 (MCT2 – Reading) or the SATP (English II Multiple Choice – Vocabulary/Reading [and Reading Comprehension for "old framework" re-testers]) is <u>not</u> allowed.

For the WIDA ACCESS for ELLs® test, accommodations 55 and 58 are not allowed, as these accommodations interfere with what the test purports to measure.

When preparing to administer the test(s) to students who are deaf or hard of hearing or to students who are blind or visually impaired, test administrators may review eligible test material (i.e., math, science, or history test books; scripted directions for reading tests; non-reading portions of language arts tests) prior to test administration. The review must be authorized by the district test coordinator and must take place in a controlled, secure environment. A signed Confidentiality Agreement is required and must be on file when test administrators preview test items prior to the test administration. Test administrators should be familiar with specific symbols or abbreviations particular to the content area being assessed.

When working with a student who has limited English proficiency, consideration needs to be given to whether the assessment should be explained to the student in his or her native language or other mode of communication unless it is clearly not feasible to do so.

Students for whom American Sign Language (ASL) is the primary language may have directions and/or items signed to them, except for the reading sections of MCT2 – Reading and English II Multiple Choice – Vocabulary/Reading, where the signing of items is <u>not</u> allowed. Other allowable signing systems are Signing Exact English (SEE), Signed English (SE), Sign Supported English (SSE or CASE), or Contact Sign (i.e., Pidgin Sign English [PSE]). Sign languages from other countries (i.e., Auslan, BSL, LSF) or non-standard sign systems (i.e., home sign) are <u>not</u> permitted to be used. **NOTE 10:** The scribe must write exactly what the student says as dictated. The scribe may not edit or alter the student's dictation in any way. The student is responsible for all capitalization, punctuation, and spelling. The student should review the draft composition and make any necessary edits, including edits to capital letters and punctuation. A scribe may not assist the student during the editing process. The scribe transfers verbatim the student's responses to an answer document.

**NOTE 11:** The dictation process and transfer of answers must occur under secure conditions with at least two persons present.

#### **NOTE 12:** Accommodation 73 - Tape record responses for later verbatim translation

- A. Dictating a response at any grade is very tedious for both the student and the scribe.
- B. Students must spell each word and note every punctuation mark as they dictate.
- C. Please consider using a tape recorder for a student's "draft."
- D. The tape can be played back to the student, who can stop and start the tape as necessary, spelling and punctuating the response more easily as dictation to the scribe takes place. The student must also note indentation or skipped lines during the dictation.
- E. The taped version, of course, can also be edited by the student.
- F. The taped "draft" must not be written for the student to review until the dictation with spelling and punctuation has occurred. The student must also note indentation or skipped lines during the dictation.
- G. The student may be given the dictated response to review and may make revisions at that point.
- H. The dictation process must occur under secure conditions with at least two persons present.
- I. The response must be written in the pre-ID response booklet if available or in a blank response booklet with appropriate hand gridding if the pre-ID is not available.
- I. The response must be transcribed on the pre-ID Final Response Insert Page, if available, with appropriate Prompt Number gridded or in a blank Final Response Insert Page with appropriate Prompt Number gridded and the MSIS number written on the front cover of the Final Response Insert Page.
- J. If this method is used, the tape must be erased after the transcription has been completed.
- K. This process, if used, should be added as an addendum to the school test security plan.
- L. All persons (TA, Proctor, Scribe) involved in this process must sign Confidentiality Agreements.

# **NOTE 13:** Accommodation **78** - Typewriter or word processor (<u>without</u> grammar/syntax checker and <u>without</u> word completion/prediction feature)

- J. All tools for spelling, grammar check, and syntax must be turned off. Additionally, the device (e.g., NEO) must have the extra features disabled (e.g., Google Docs, linked files, Write On! Lessons, etc.).
- K. The student may not have access to the Internet.

- L. Typed responses are not to be submitted to the vendor; these typed responses must be transcribed under secure conditions with at least two persons present.
- M. The person transcribing must duplicate exactly what the student wrote, including exact spelling, punctuation, indentation, skipped lines, etc.
- N. The response must be transcribed in the pre-ID response booklet if available or in a blank response booklet with appropriate hand gridding if the pre-ID is not available. The response must be transcribed on the pre-ID Final Response Insert Page, if available, with appropriate Prompt Number gridded <u>or</u> in a blank Final Response Insert Page with appropriate Prompt Number gridded and the MSIS number written on the front cover of the Final Response Insert Page.
- O. The typed response must be erased from the assistive technology.
- P. The typed response must be considered secure material and shipped to the OSA (ATTENTION: OSA administered Writing Assessment Coordinator) via secure carrier with signature required to serve as documentation. The typed response must include the student's name and MSIS number. The student's typed response is considered secure material and must be returned with all scorable testing material.
- Q. This process, if used, should be added as an addendum to the school test security plan.
- R. All persons (TA, Proctor, Scribe) involved in this process must sign Confidentiality Agreements

**NOTE 14:** Electronic word-to-word translating dictionaries may be used with the audio/speaker function turned off. In addition the test administrator must ensure that electronic dictionaries are not connected to the internet or any additional software. Refer to the <u>Suggested List of Bilingual Dictionaries for ELL Students</u> for word-to-word glossaries.

**NOTE 15:** For accommodation **61**, calculators are allowable only in grades 7 and 8 for *MCT2* Mathematics and for the SATP2 Algebra 1. Beginning with the 2011-2012 academic year,

- 1. <u>All</u> formulas, applications, and/or programs (including, but not limited to, Zoom Math/Zoom Algebra) **must be disabled or removed** from the calculators to be used by students during the MCT2 Mathematics, Grades 7-8 exams and the SATP2, Algebra I exam.
- 2. School districts must outline in their District Test Security Plan the processes and/or procedures to be used to ensure the NO calculators used by students during a state assessment administration for the tests listed above have any stored formulas, applications, and/or programs.
- 3. Students may use personal calculators. However, the District Test Security Plan must address the processes and/or procedures to be used to ensure that NO personal calculators used by the students during a state assessment administration have any stored formulas, applications, and/or programs.
- 4. School districts will be given the authority to allow <u>retesters</u> who participated in the SATP2 Algebra I test administration <u>prior to</u> 2011-2012 to continue to use graphing calculators with formulas, applications, and/or programs.

- Districts <u>must</u> test these students in a room separate from any testing room that is used for first-time test takers in 2011-2012 and thereafter.
- Districts <u>must</u> address these procedures for retesters in the District and School Test Security Plans.

The complete memorandum from the state Superintendent of Education regarding calculator use on the MCT2 Mathematics (grades 7 and 8) and Algebra I can be read at the following link: <u>http://www.mde.k12.ms.us/ACAD/osa/pdfs/20110406-Calculator-Guidance-Memo.pdf</u>

**NOTE 16:** For the ELL student, accommodation **25** is non-allowable on the Speaking component of the ACCESS for ELLs® Test.

### Accommodation 48

### LANGUAGE ARTS

#### ALLOWABLE

Торіс	
Introduction	

Body								
Paragraph 1	Paragraph 2	Paragraph 3						

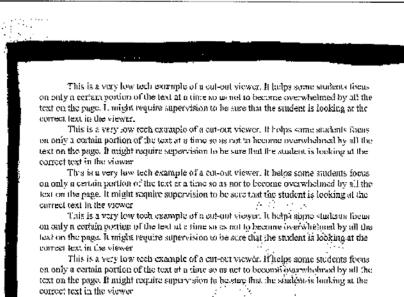
	Conclusion	



#### **Proofreading Checklist**

Read each question below. Then check your paper. Correct any mistakes that you find. After you have corrected them, put a checkmark in the box next to the questions.

- □ 1. Did I spell all the words correctly?
- □ 2. Does each sentence state a complete thought?
- □ 3. Are there any run-on sentences or fragments?
- □ 4. Did I capitalize all proper nouns?
- □ 5. Did I end each sentence with the correct end mark?
- a 6. Did I use commas, apostrophes, and quotation marks correctly?



- 2000

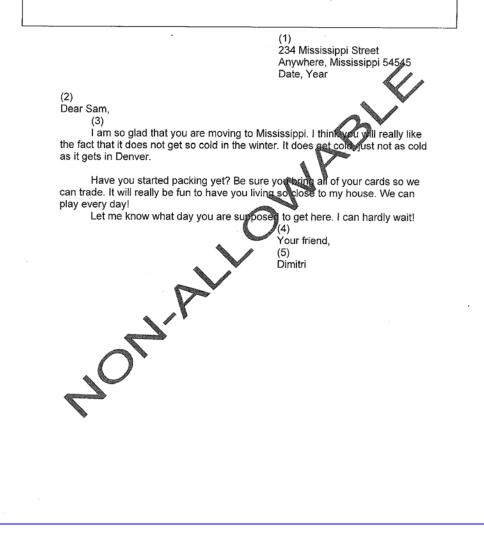
the some success focus

#### **Accommodation 48**

#### LANGUAGE ARTS

#### **NON-ALLOWABLE**

A **friendly letter** has five parts. They are the heading (1), greeting (2), body (3), closing (4), and signature (5). Match each number with the letter part below.



A **friendly letter** has five parts. They are the heading (1), greeting (2), body (3), closing (4), and signature (5). Match each number with the letter part below.

(2) Dear Sam,

JOR J.

(3) I am so glad that you are moving to Mississippi. I think you will really like the fact that it does not get so cold in the winter. It does get cold just not as cold as it gets in Denver.

Have you started packing yet? Be sure you bring all of your cards so we can trade. It will really be fun to have you living soclose to my house. We can play every day!

Let me know what day you are supposed to get here. I can hardly wait!

(4) Your friend, (5)

Dimitri

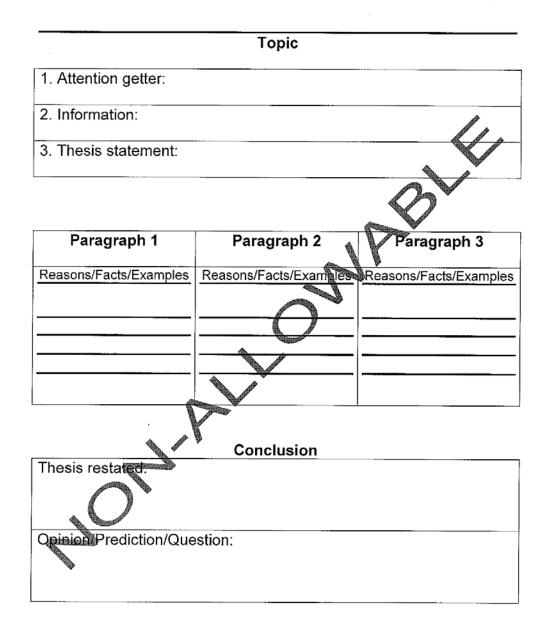
(1)

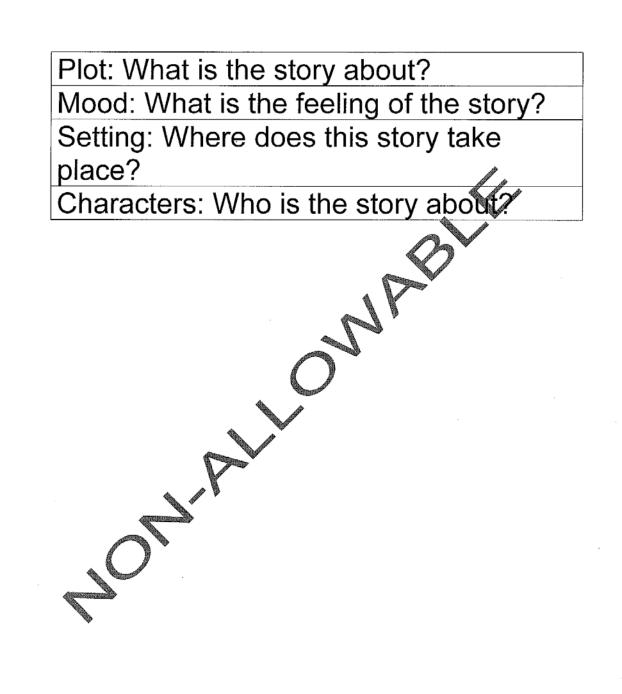
Date, Year

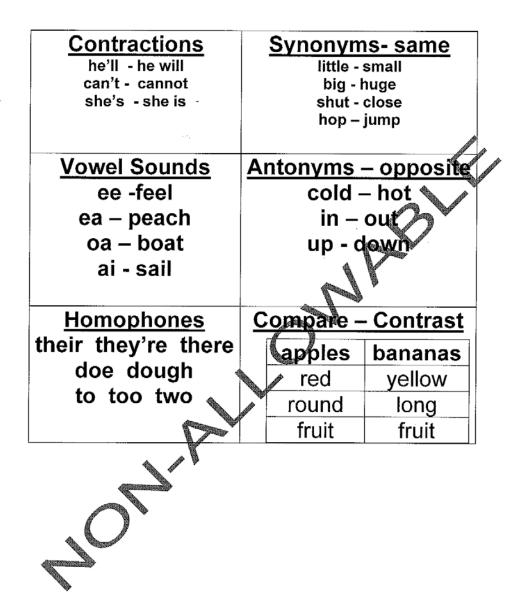
234 Mississippi Street Anywhere, Mississippi 545

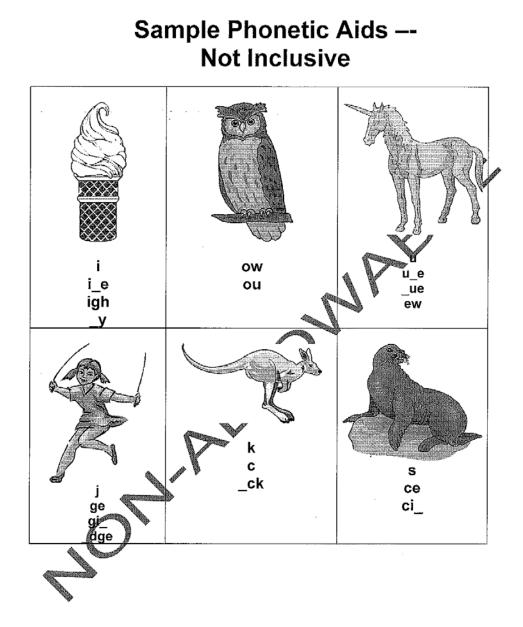
Words	Rules	Examples
bad	Bad is an adjective. It can be used	This was a <u>bad</u> day.
badly	after linking verbs like look and	l feel <u>bad</u> .
	feel.	
	Badly is an adverb.	l play <u>badly</u> .
borrow	Borrow means "to take."	You may borrow my pen.
lend	Lend means "to give."	I will <u>lend</u> it to you for the day.
can	Can means "to be able to do	Nellie <u>can</u> read quickly.
may	something."	and the second sec
	May means "to be allowed or	May I borrow your book?
	permitted."	
good	Good is an adjective.	The weather looks good.
well	Well is usually an adverb. It is an	She sings <u>well</u> .
	adjective only when it refers to health.	Do you feel well?
in	In means "located within."	Your lunch is in that bag.
into	Into means "movement from the	He jumped jate the pool.
	outside to the inside."	
its	Its is a possessive pronoun.	The dog wagged <u>its</u> tail.
iťs	It's is a contraction of it is.	It cola today.
let		Riease let me go swimming.
leave	Leave means "to go away from" of	I will <u>leave</u> soon.
	"to let remain in place."	Leave it on my desk.
lie	Lie means "to rest or recline.	The dog <u>lies</u> in its bed.
lay	Lay means "to put or place	Please lay the books there.
	something."	
sit	Sit means "to rest in one place."	Please <u>sit</u> in this chair.
set	Set means "to place or put."	Set the vase on the table.
teach	Teach means to give instruction."	He <u>teaches</u> us how to dance.
learn	Learn means to receive	l <u>learned</u> about history.
11	instruction."	<b>T</b> he issue of a second second second
their	Their is a possessive pronoun.	Their coats are on the bed.
there	There is an adverb. It may also	Is Carlos <u>there</u> ?
they're	begin a sentence.	<u>There</u> is my book.
1110	They te is a contraction of they are.	They're going to the store.
two to	<i>Two</i> is a number.	I bought <u>two</u> shirts.
too	Too means "more than enough"	A squirrel ran <u>to</u> the tree.
	and "also."	May we go <u>too</u> ?
	anu aleu.	

.









Symbol	Action
A	Insert a missing word, letter or
	punctuation mark.
1	Use a lower case letter.
	Capitalize a lower case letter
	Check spelling.
¶	Start a new paragraph.

<b>Punctuation Mark:</b>	When to use:	Example:
comma ,	to separate	In our garden we
	items in a series	planted corn, peas,
		beans, and carrots.
apostrophe ´	to show	My teacher's book is
	ownership	red.
question mark ?	to show that a	How far is it to
	question is being	Jackson?
	asked	O
exclamation point !	to show a strong	Lwon the prize!
	emotion	
hyphen -	to separate a 💊	
	word at the end	ly down the trail.
	of a line	
colon :	to separate the	lt is 12:45 p.m.
	hour from the	
	minute	
period .	at the end of a	The state bird of
	sentence	Mississippi is the
		mockingbird.

# Brainstorming

- Quickly generate a list of ideas to write about.
- Prewriting
  - Create a method for organizing your ideas such as a semantic web, an outline, or other graphic organizer.

# Drafting

• Write your first copy.

# Revising

• Rework your writing for deas, style, voice, organization, and word choice.

# Editing

• Fix any errors in punctuation, capitalization, or usage.

# Polishing and Publishing

• Write a final draft that is free of errors. Share your writing with others.

- 1. Interrogative Asks a question. Use a "?" Would you share your cookies?
- 2. Declarative Makes a Statement. Use a "." I will not share my cookies.
- 3. Imperative Makes a command. Use a Share your cookies with me.

### 4. Exclamatory – Communicates strong emotion or surprise. Use an '\"

Ahh

I cannot believe you ate 27 cookies!

## \*Example: Dolch Sight List List 5

from	want	put	every
good	don't	too	pretty
any	how	got	jump 🔨
about	know	take	green
around	right	where	four

\* No sight word vocabulary, word walls, or content vocabulary should be displayed.

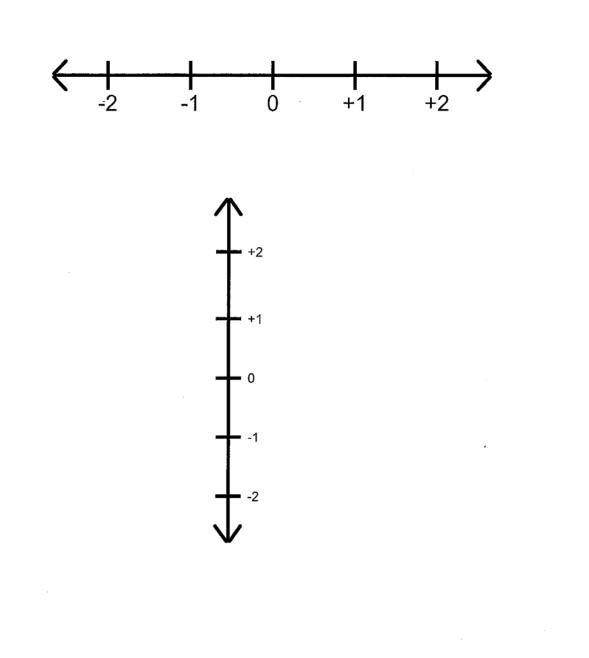
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Accommodation 48

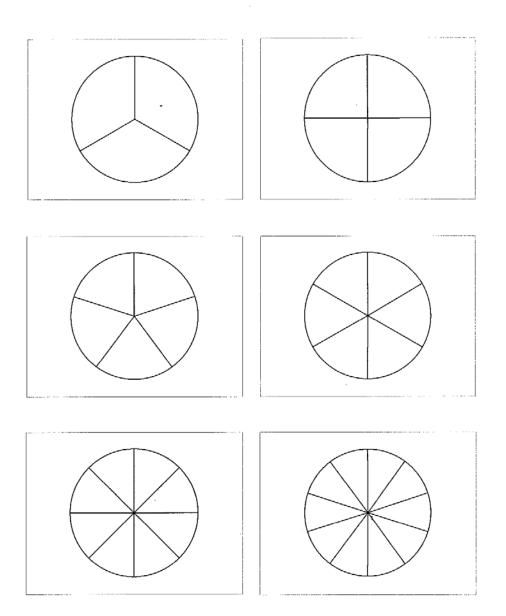
### MATHEMATICS

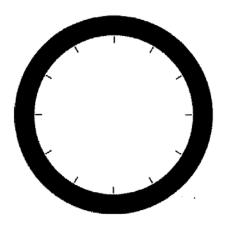
ALLOWABLE

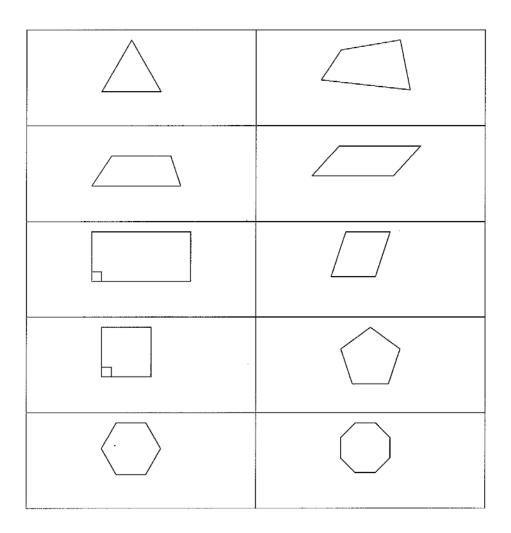
# Less Than | Greater Than

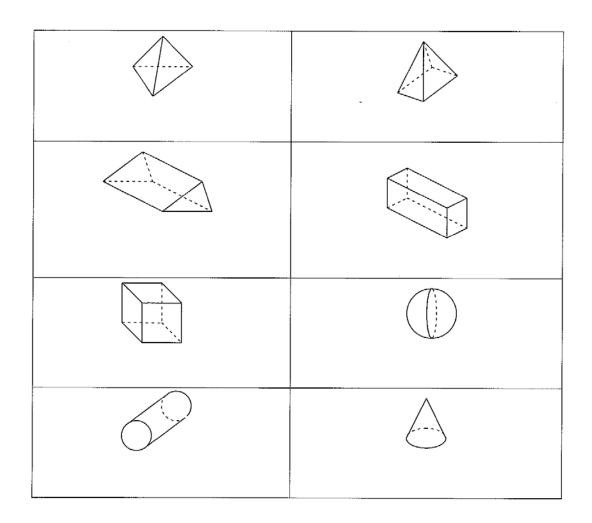


Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday









### WORD BANK

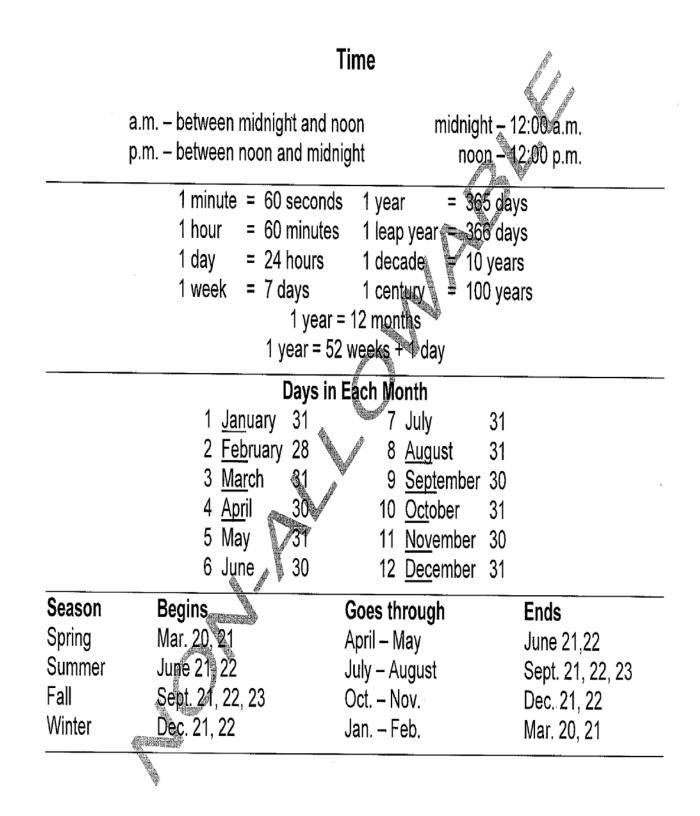
HEXAGON OCTAGON PARALLELOGRAM PENTAGON QUADRILATERAL RECTANGLE RHOMBUS SQUARE TRAPEZOID TRIANGLE

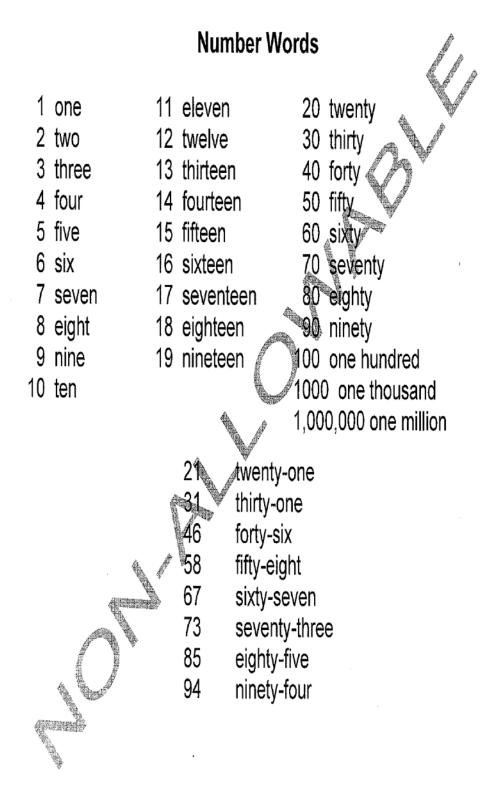
CONE CUBE CYLINDER RECTANGULAR PRISM RECTANGULAR PYRAMID SPHERE TRIANGULAR PRISM TRIANGULAR PYRAMID

DMSCB PEMDAS BEDMAS PEDMAS KHD**m**dcm Does McDonalds Sell Cheese Burgers? Please Excuse My Dear Aunt Sally Big Elephants Destroy Mice And Snails Pink Elephants Destroy Mice And Snails King Henry Died Monday Drinking Chocolate Milk Accommodation 48

#### MATHEMATICS

### NON-ALLOWABLE





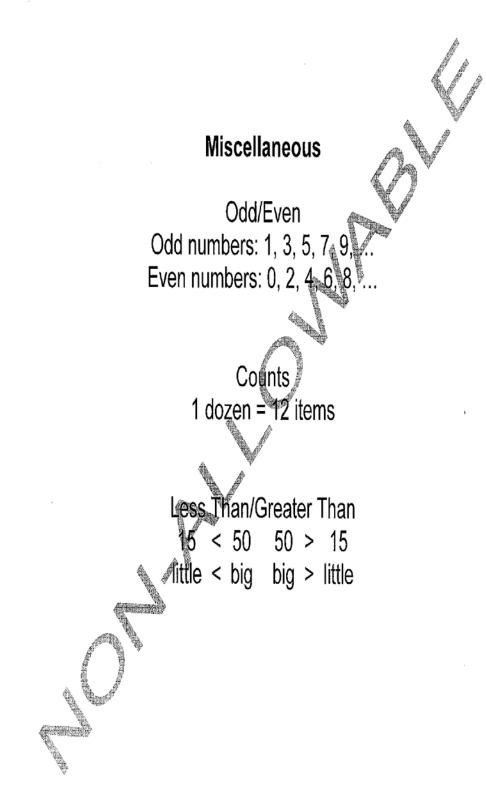
**Addition Chart** 

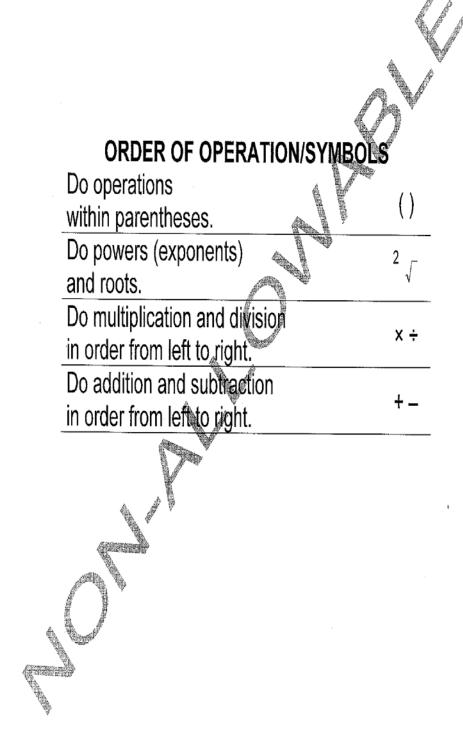
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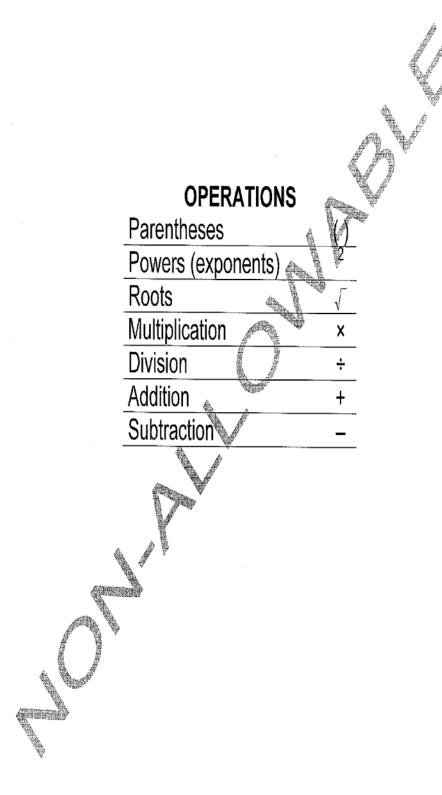
								- W	A	
+	0	1	2	3	4	5	6	7	8	9
0	0	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	$\nabla \tau$	8	9	10
2	2	3	4	5	6	6 7 8	8	9	10	11
3	3	4	5	6	7	8	9	10	11	12
4	4	5	6	7	8	9	10	11	12	13
5	5	6	7	8	9	10	11	12	13	14
6	6	7	8	<b>∑9</b> > <sup>♥</sup>	10	11	12	13	14	15
7	7	8	<u>9</u>	<sup>\$</sup> 10	11	12	13	14	15	16
8	8	9	10	11	12	13	14	15	16	17
9	9	10	11	12	13	14	15	16	17	18
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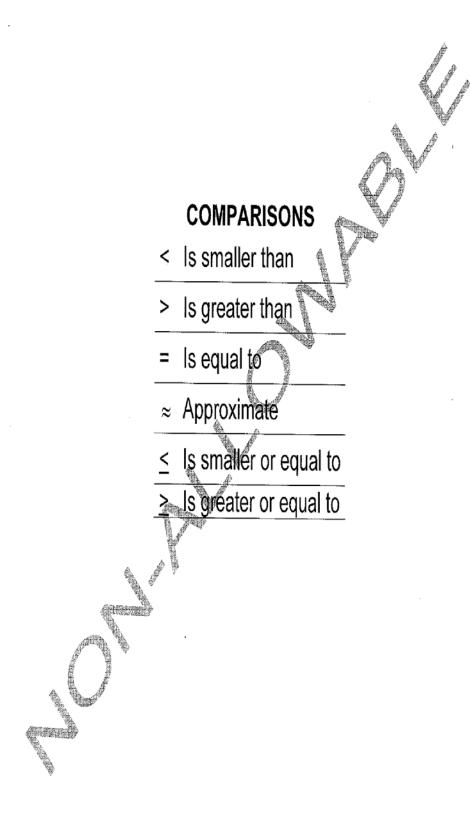
**Multiplication Chart** 

Multiplication Chart												
х	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14		18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35 🔦	42	49	56	63	70	77	84
8	8	16	24	32	<b>A</b>	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30 «	40 <sup># \</sup>	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144
13	13	26	36 39	52	65	78	91	104	117	130	143	156
14	14	28	42	56	70	84	98	112	126	140	154	168







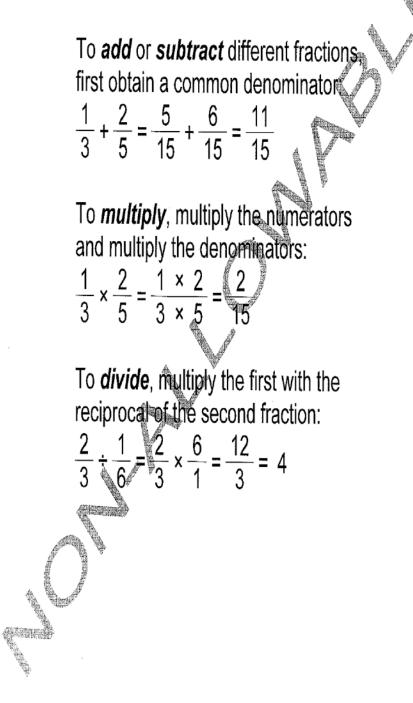


- 3 numerator
- 5 denominator

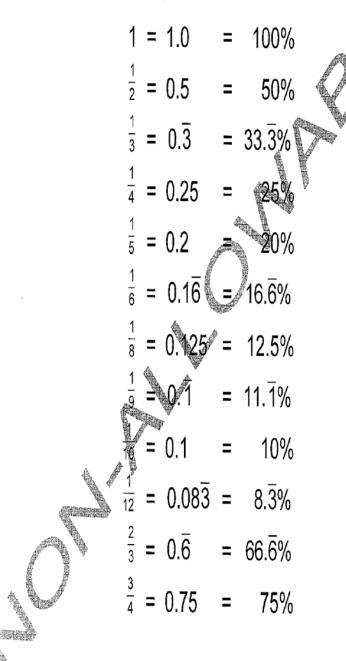
**FRACTIONS** the number above the line in a fraction the number below the line in a fraction

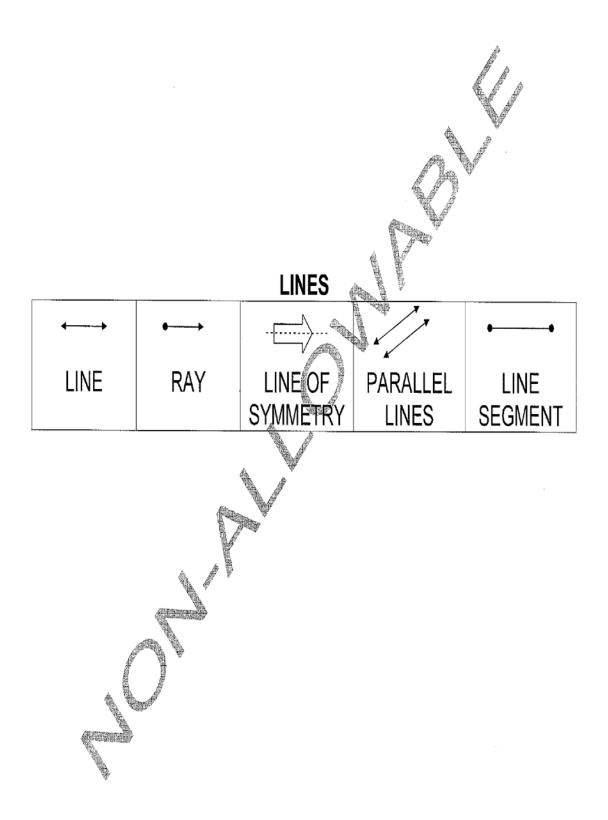
19 AND 1

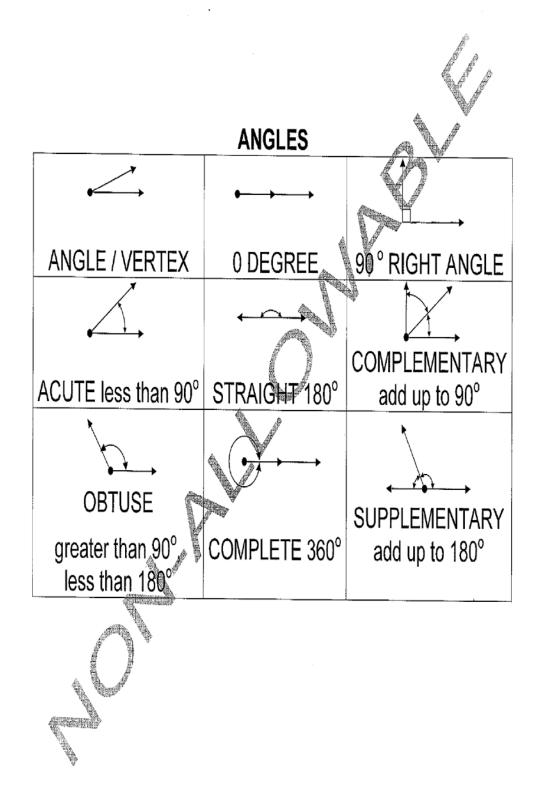
### **OPERATIONS WITH FRACTIONS**

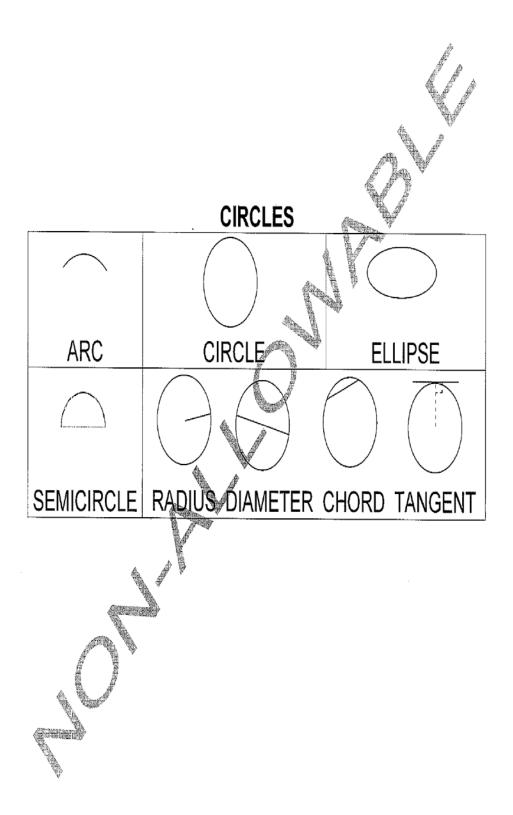


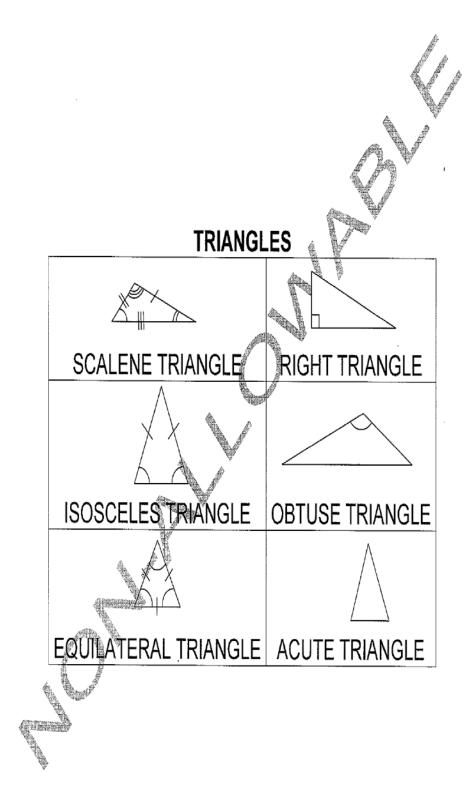


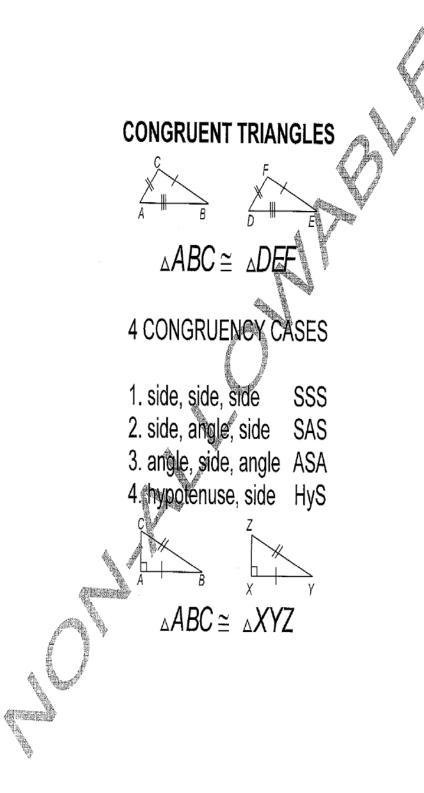


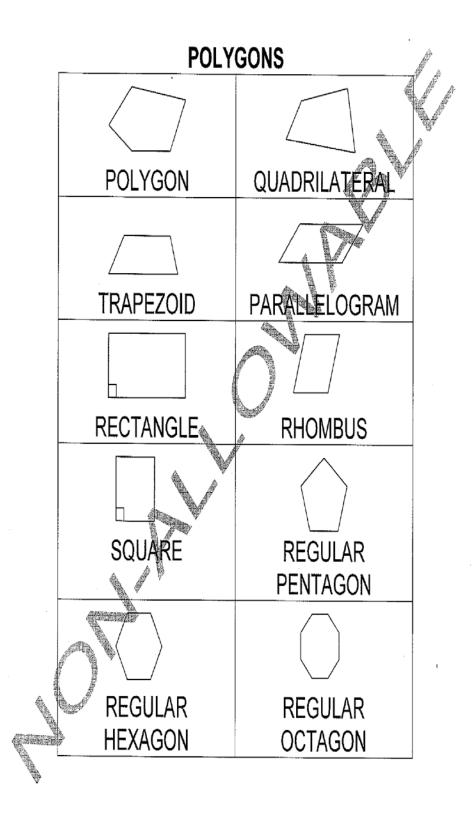


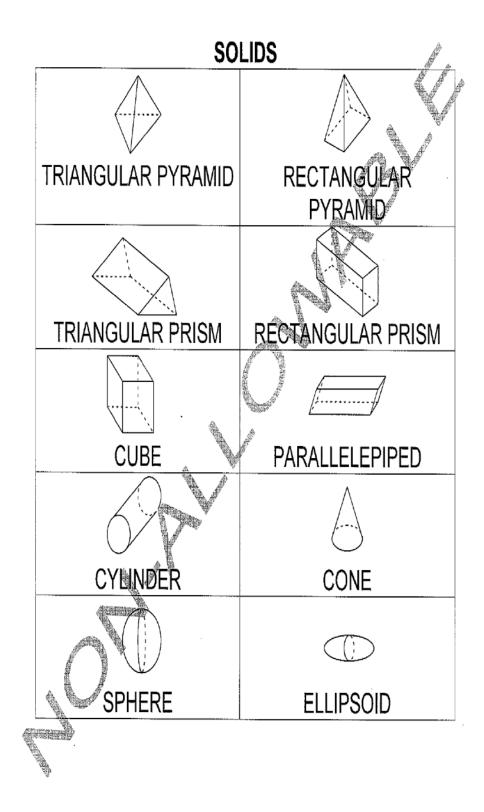


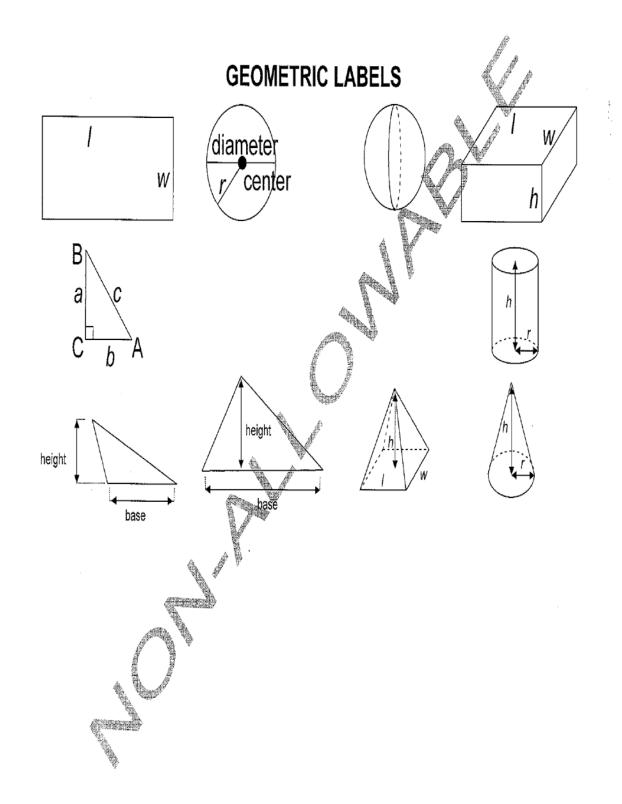






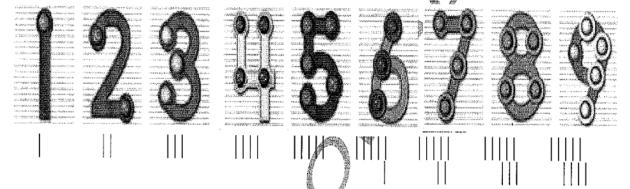






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1 x	2	=	2	2	x	2	=	4	;	3	x	2	=	6		4	x	2	=	8		5	x	2	No. 11	10	6	X	2	=	12
1 ×	3	=	3	2	x	3	=	6	;	3	x	3	=	9		4	x	3	=	12		5 '	×.	3	-	¢15	6	x	3	=	18
1 ×	4	=	4	2	x	4	=	8		3	x	4	=	12		4	x	4	=	16	Ŕ	5	X	88.		20	6	x	4	=	24
1 ×	5	=	5	2	X	5	=	10	;	3	x	5	=	15		4	x	5	=	20	1	5	X	5	=	25	6	x	5	Ξ	30
1 ×	6	=	6	2	x	6	=	12	:	3	x	6	Ξ	18		4	x	6	=	24	Ne.	5/	x	6	=	30	6	x	6	=	36
1 ×	7	=	7	2	x	7	=	14	:	3	x	7	=	21		4				28	74	°5	x	7	=	35	6	x	7	Ŧ	42
1 ×	8	=	8	2	X	8	=	16		3	x	8	=	24		4	x	8	Hate	32		5	x	8	=	40	6	x	8	=	48
1 ×	g	=	9	2	x	9	Ξ	18	;	3	x	9	=	27		4	x	- A2.	N.	36	99 19	5	x	9	=	45	6	X	9	=	54
1 x	1	) =	10	2	x	1(	) =	20	;	3	x	10	=	30		4	×	10	=	40		5	x	10	Ξ	50	6	X	10	=	60
1 x	1	1 =	11	2	X	11	=	22	;	3	x	11	=	33	Å	A	X	1	i i i	44		5	x	11	=	55	6	x	11	=	66
1 x	1	2 =	12	2	x	12	2 =	24	;	3	x	12	=	36	ſ	4	NAX NO	12	=	48		5	x	12	=	60	6	X	12	Ξ	72
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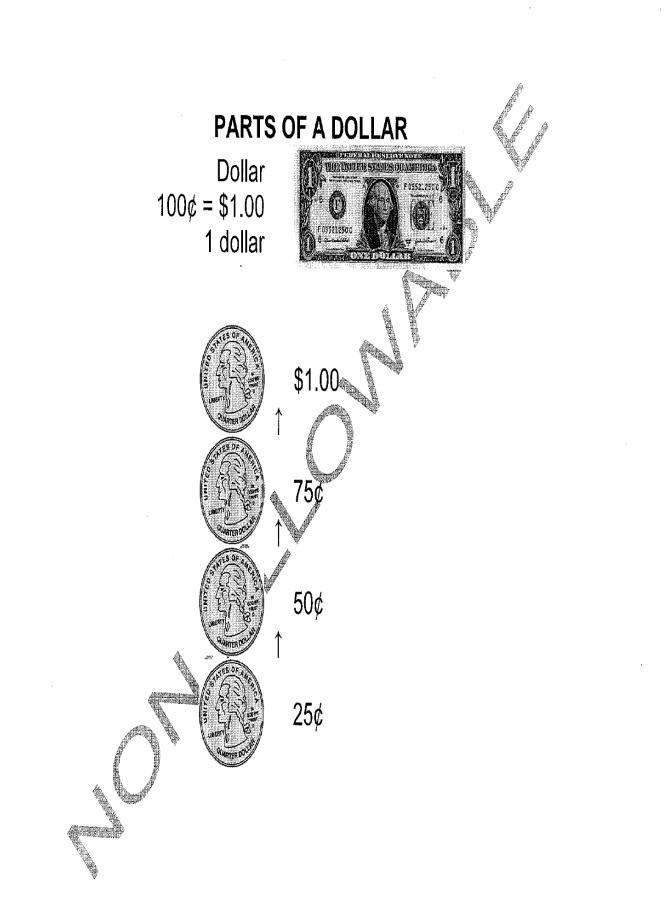
## TOUCH-POINT NUMBERS

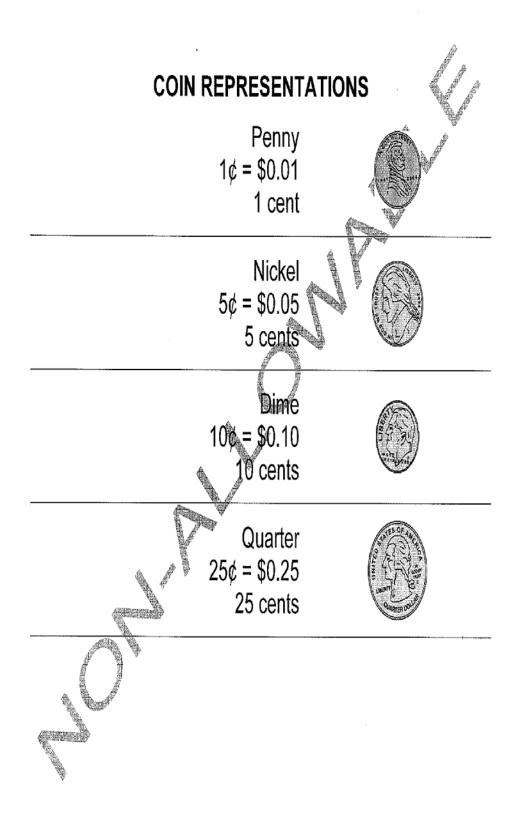


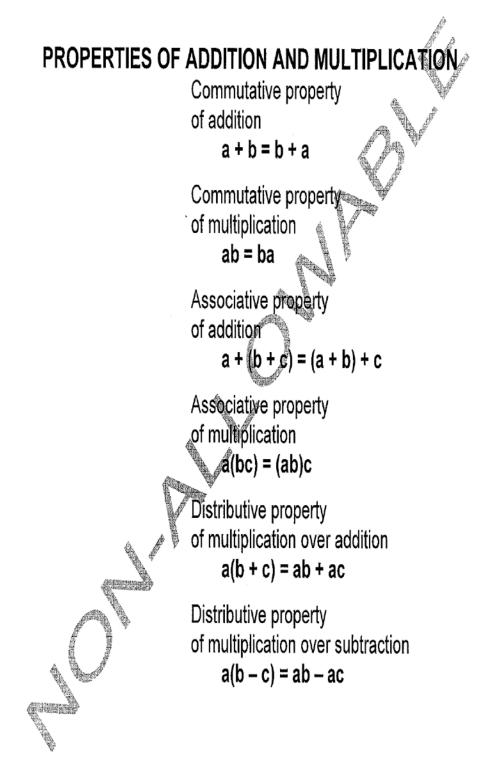
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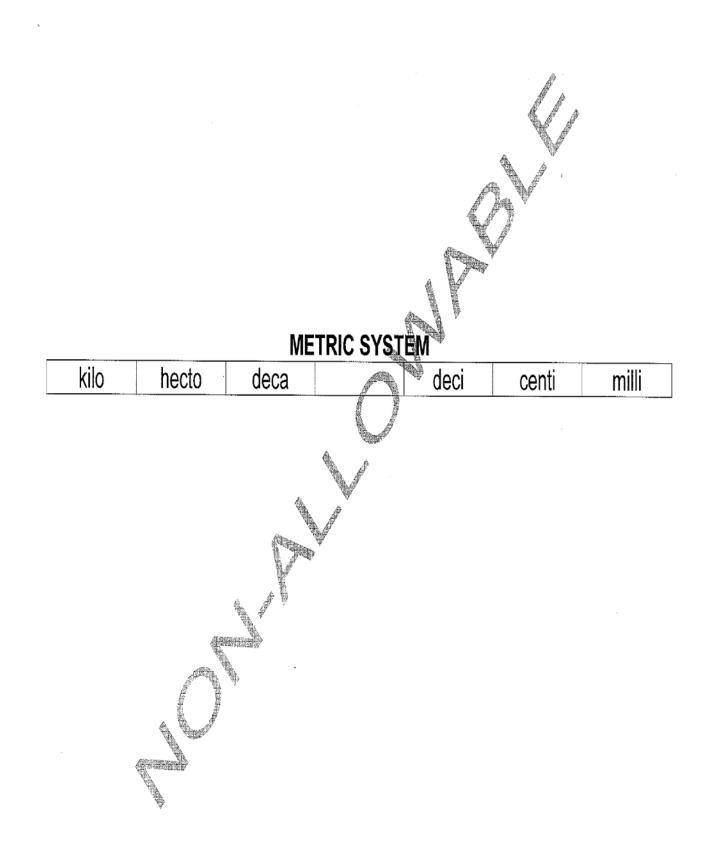
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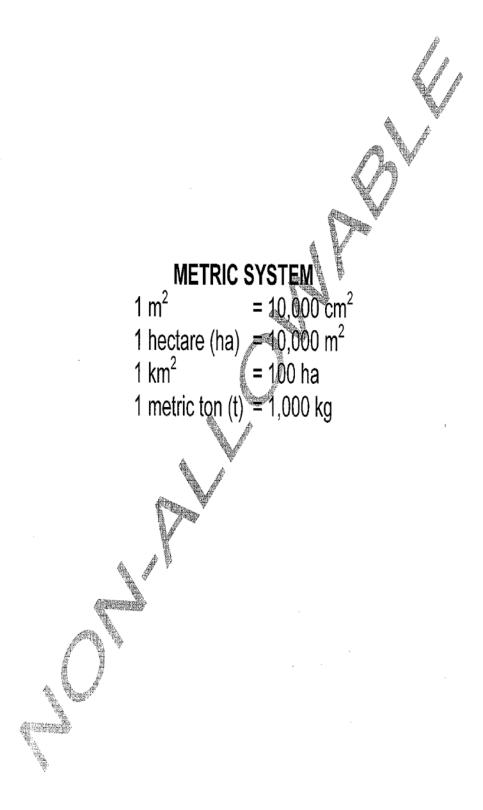
# METRIC SYSTEM CONVERSIONS

1000	100	10	1	0.1	0.01	0.001
kilo –	hecto	deca		deci	centi	milli
km	hm	dam	m	💙 dm	cm	mm
kg	hg	dag	g	dg	cg	mg
kl	hl	dal		dl	cl	mĺ

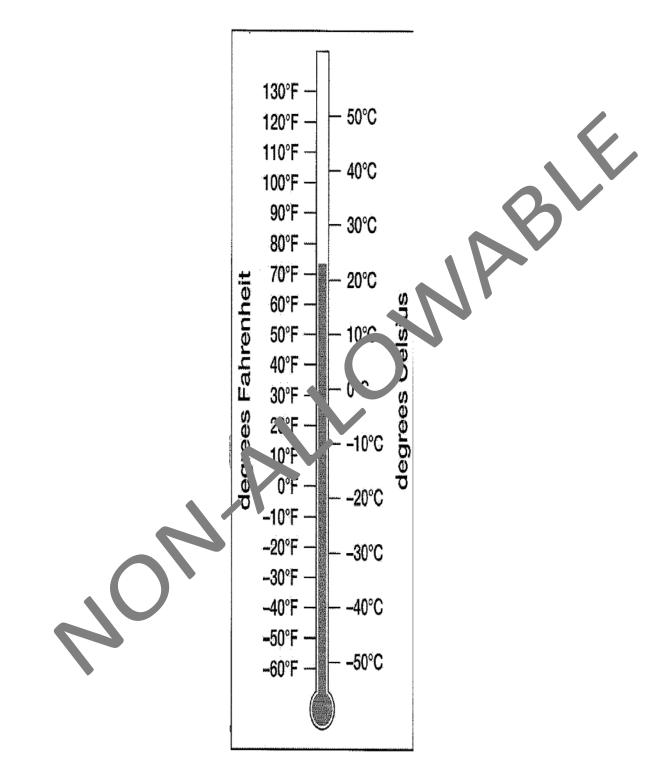
COMMON UNITS used with the International System	COMMON	UNITS	used	with	the	International	System
---	--------	-------	------	------	-----	---------------	--------

UNITS OF MEAS. A	BBREV.	RELATION
meter	m	length
hectare	ha	area
ton	t	mass
kilogram	kg	mass
nautical mile	М	distance (navigation)
knot	kn	speed (navigation)
liter	L	volume or Capacity
second	S	time
hertz	Hz	frequency
candela	cd	luminous intensity
degree Celsius	°C	temperature
kelvin	K 🎝	thermodynamic temperature
pascal	Pa	pressure, stress
joule	¥.	energy, work
newton	N	force
watt 🔥 🖉 🕅	W	power, radiant flux
ampere	A	electric current
volt	V	electric potential
ohm	Ω	electric resistance
coulomb	С	electric charge
		-

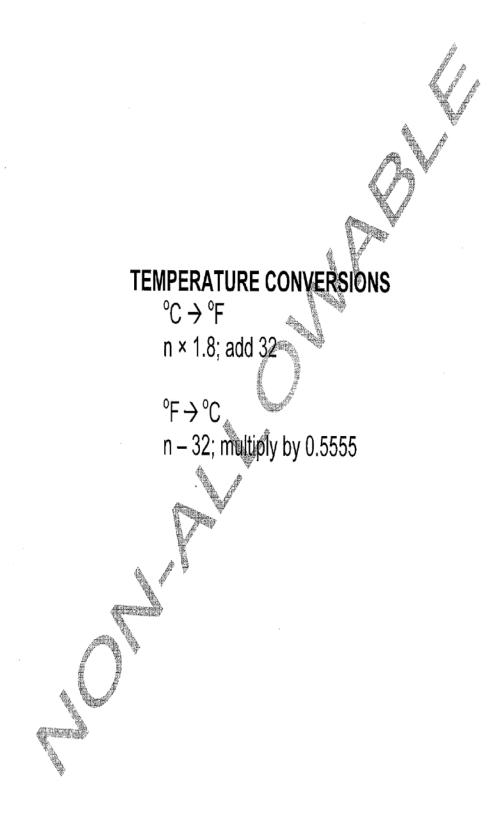
							fr -
		ME	ASUREMEN			AT	
LENGTH /	ARI	EA		WEIGHT / C	A	PACITY	
to go from		to	multiply by	to go from		to	multiply by
cm	$\rightarrow$	in	0.3937	g 🏊	À	0Z	0.0353
in	$\rightarrow$	cm	2.54	OZ	°→	g	28.35
m	$\rightarrow$	ft	3.2808	kg	$\rightarrow$	lbs	2.2046
km	$\rightarrow$	mi	0.6214	t 🧷	$\rightarrow$	Т	1.1023
mi	$\rightarrow$	km	1.609	T	$\rightarrow$	t	0.9072
m <sup>2</sup> ft <sup>2</sup>	$\rightarrow$	ft <sup>2</sup>	10.76	ml	$\rightarrow$	fl oz	0.0338
$ft^2$	$\rightarrow$	$m^2$	0.0929	fl oz	$\rightarrow$	ml	29.575
km <sup>2</sup>		mi <sup>2</sup>	0.3861	L	$\rightarrow$	US gal	0.2642
mi <sup>2</sup>	$\rightarrow$	km <sup>2</sup>	2.59	US gal	$\rightarrow$	L	3.785
			\$ ¥	. –			
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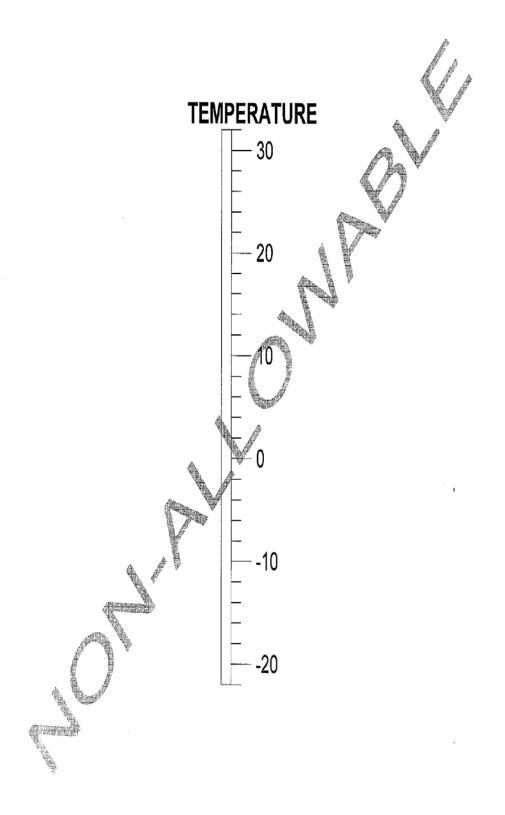


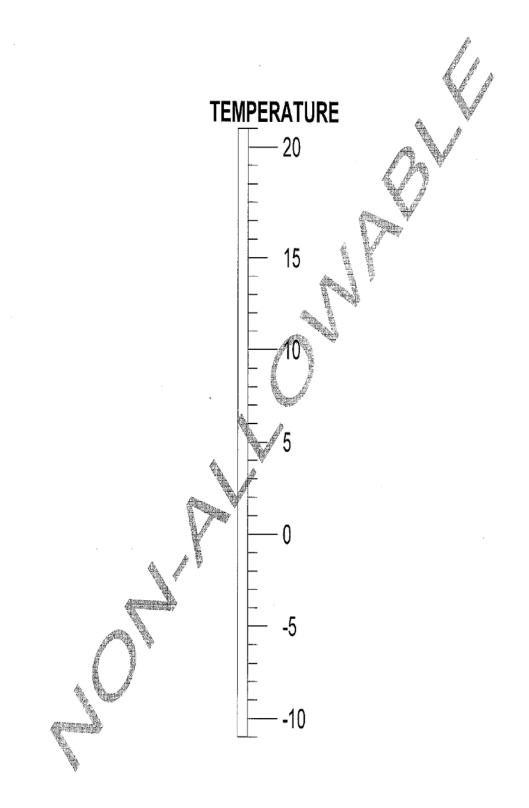
		ENGLISH SYSTEM	
Length			
	1 foot (ft)	= 12 inches (in) = 1' =	12"
	1 yard (yd)	= 3 feet = 36 inches	
	1 mile (mi)	= 1,760 yards = 5,280 feet	
Liquid			
	1 tablespoon (T)	) = 3 teaspoons (t)	
	1 cup (c)	= 16 T = 8 fluid ounces (fl oz)	
	1 pint (pt)	= 2 c	
	1 quart (qt)		32 fl oz
	1 gallon (gal)	= 4 qt	
Weight			
	1 pound (lb)	= 16 ounces (oz)	
	1 ton (t)	= 2000 pounds	
Area			
	1985	$= 144 \text{ in}^2$	
	1 yd <sup>2</sup>	$= 9 \text{ ft}^2$ = 4,840 yd <sup>2</sup>	
	1 acre	$= 4,840 \text{ yd}^2$	

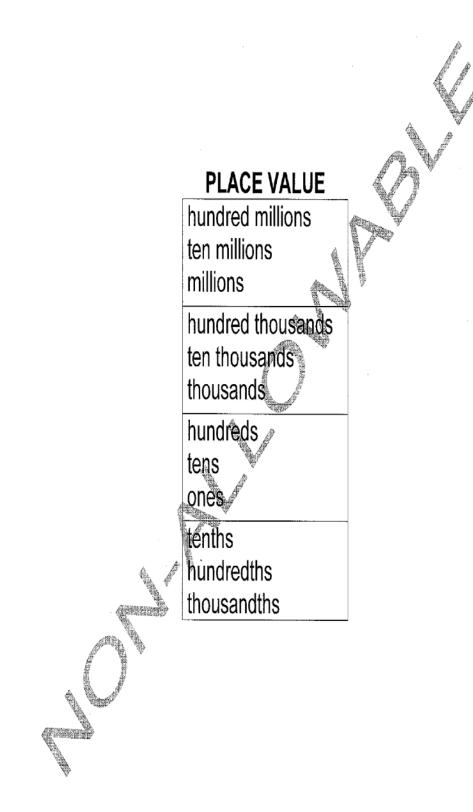


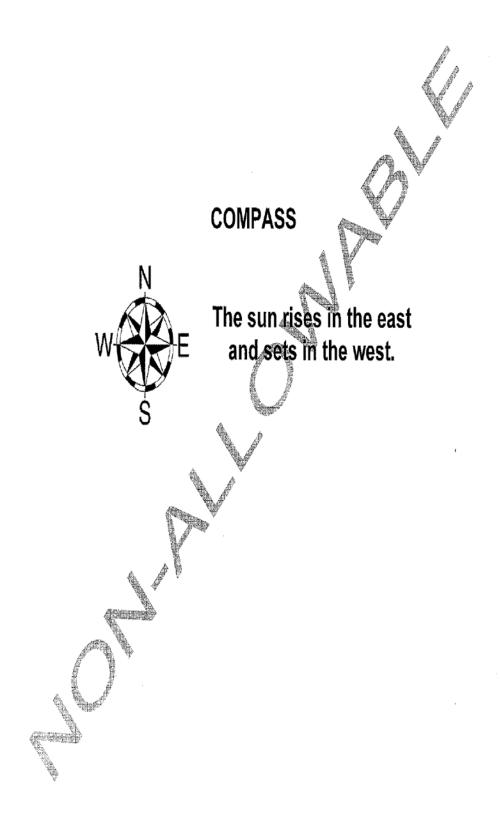
#### TEMPERATURE



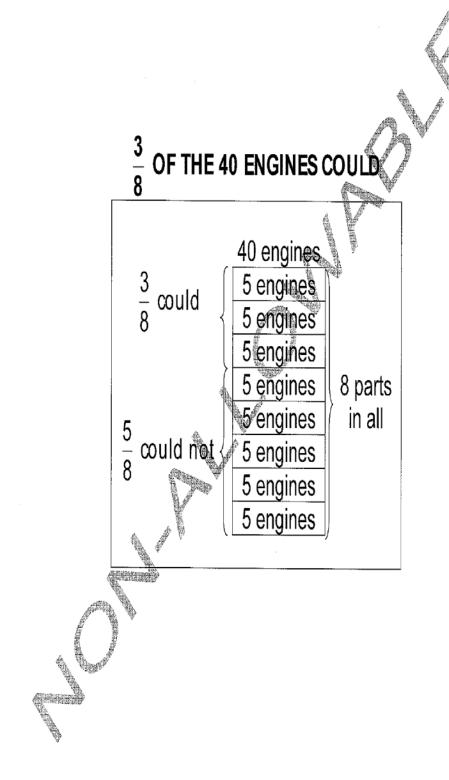








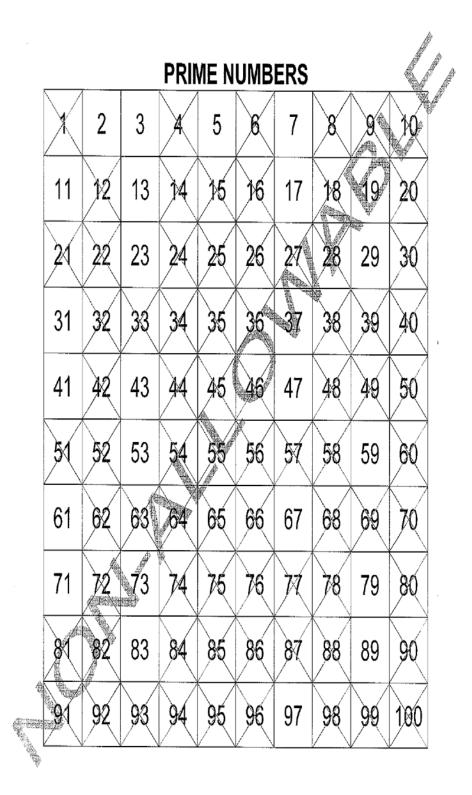


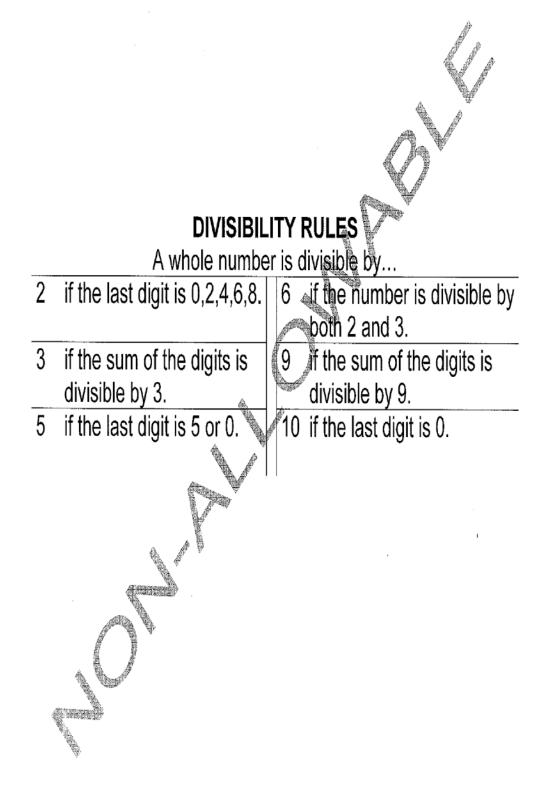


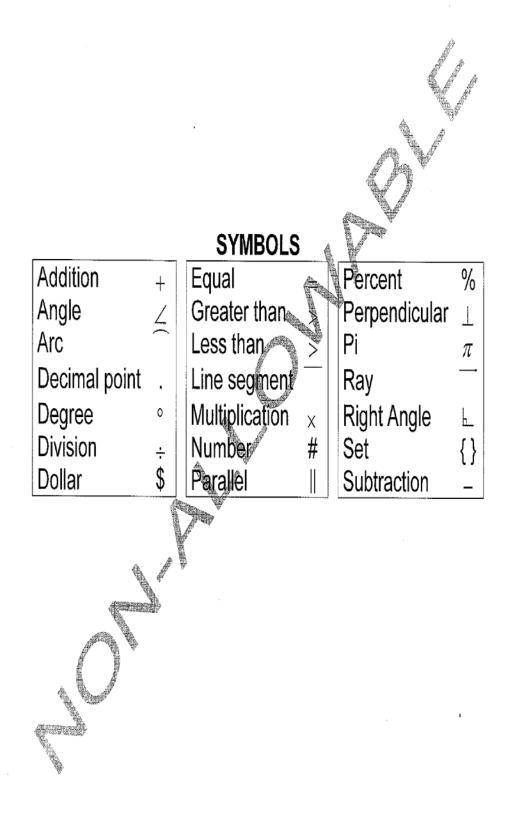
## FIND THE MISSING NUMBERS

(

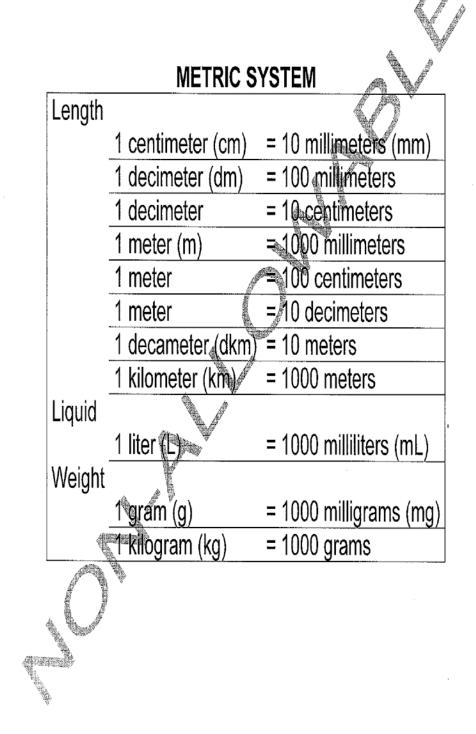
(Word Problem Thinking Patterns: Sketch the pattern. Record the information.)								
SOME,	Some							
SOME MORE	+ Some more ← If missing, subtract.							
	Total ← If missing, add.							
SOME WENT AWAY	Some 🗲 If missing, add.							
	<u>- Some went away</u> 🗧 If missing, subtract.							
	What's left							
LARGER, SMALLER,	Larger 🔶 If missing, add.							
DIFFERENCE	<u>- Smaller</u> ← If missing, subtract.							
	Difference 🗲 If missing, subtract.							
LATER, EARLIER,	▲ Later ← If missing, add.							
DIFFERENCE	$\sim$ <u>- Earlier</u> $\leftarrow$ If missing, subtract.							
	Difference ← If missing, subtract.							
EQUAL GROUPS 💊 N	umber in each group <- If missing, divide.							
(termine)	$\times$ Number of groups $\leftarrow$ If missing, divide.							
	How many <- If missing, multiply.							
Caracity No.								

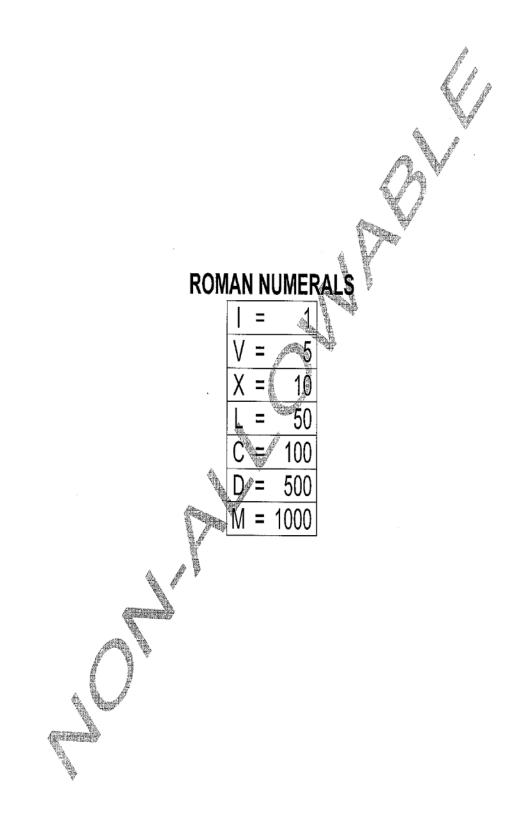


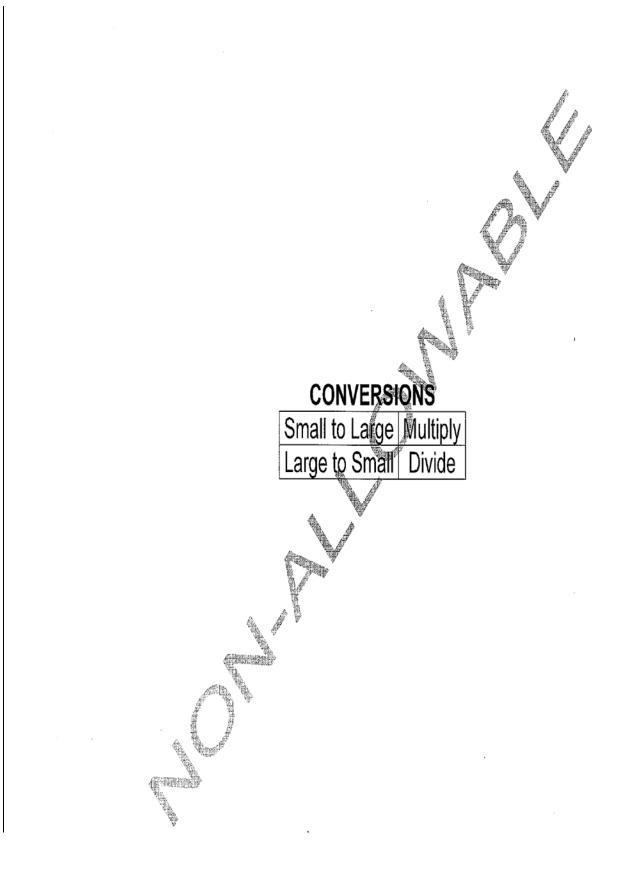


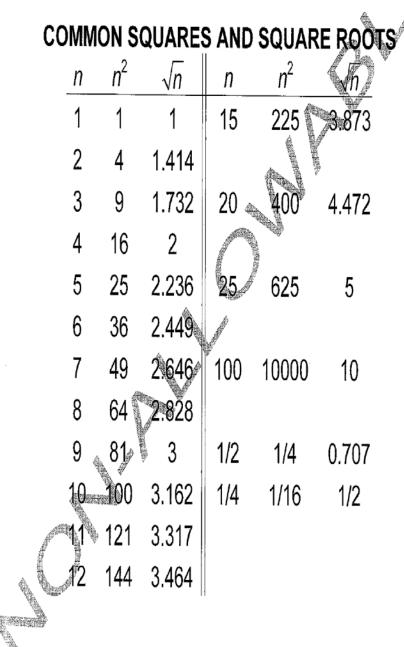


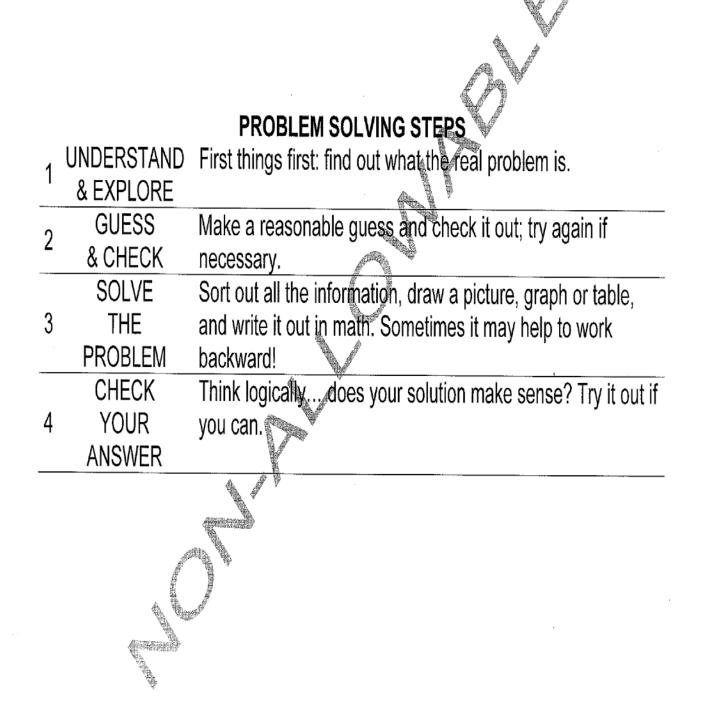
		and the second sec
r	NUMBERS	
Prime	A whole number which has only two	Examples:
Number:	factors, itself and 1.	2, 3, 7, 11, 13, 17.
Common	A number that is a factor of two or	Examples:
Factor:	more numbers.	1, 2, and 4 are common
		factors of 12 and 16.
Greatest	The greatest number that is a factor	Example:
Common	of two or more numbers	4 is the greatest common
Factor:		factor of 12 and 16.
Least	The smallest number that is a multiple	Example:
Common	of two or more numbers.	12 is the least common
Multiple:		multiple of 2, 3, 4, and 6.

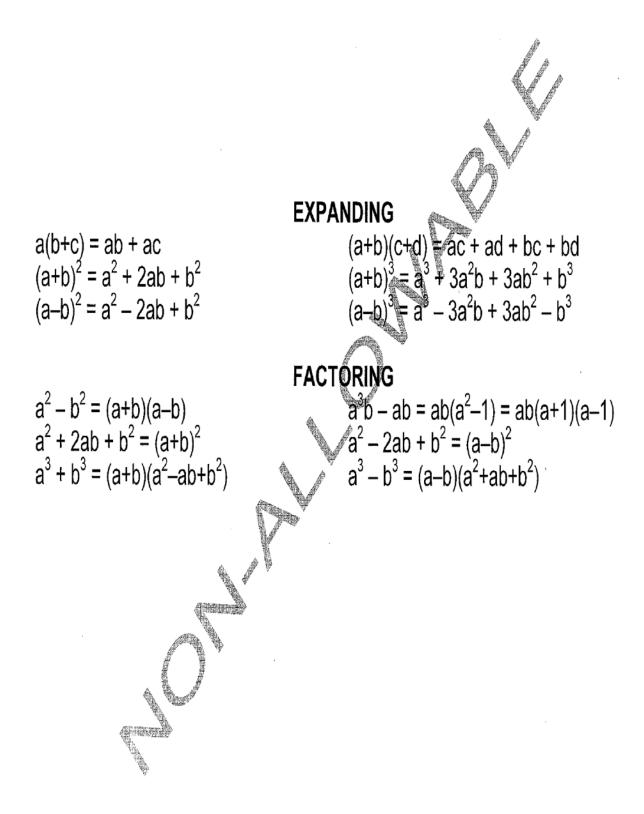


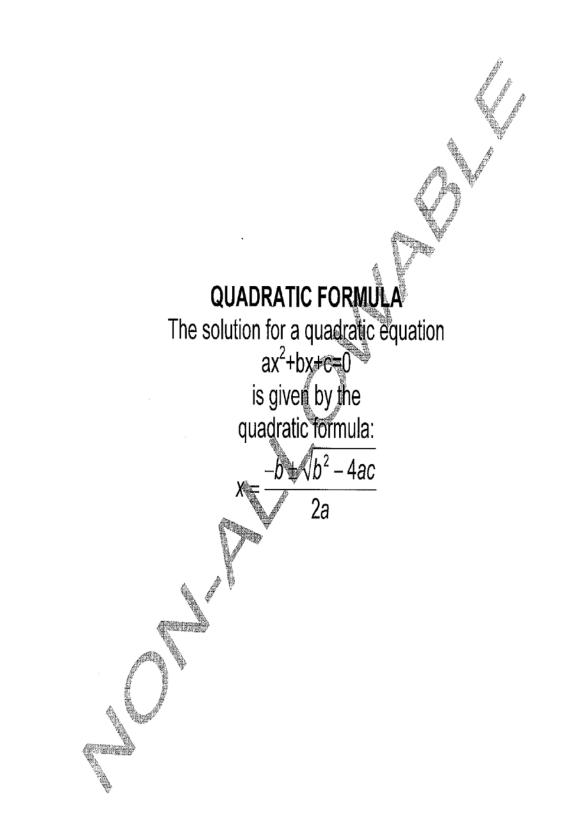


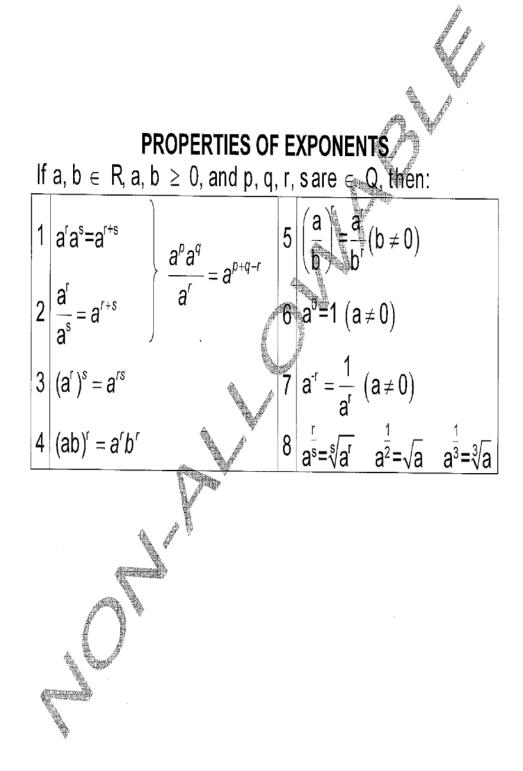


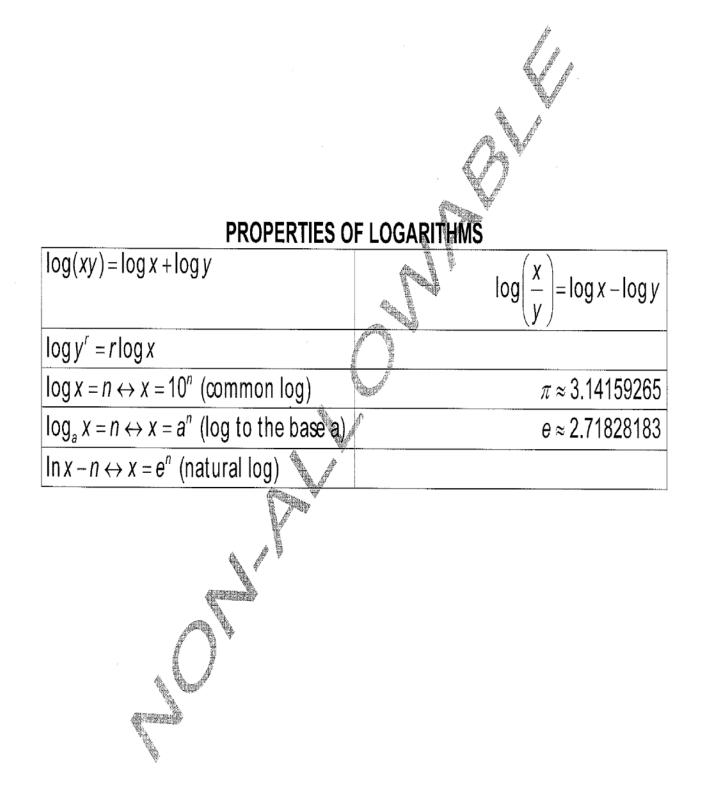












## Testing Accommodations Chart (CUM Copy)

*Directions:* Complete the information below and circle the accommodations for each assessment in which the student will participate.

		ol:	Grae	de:	-	Studen	nt Na	ime:								
	Age: Form	Completed by (print name):				Initia	l Rev	view l	Date:						_	
	Teac	her's Signature:				Subse	equer	nt Rev	view D	ate:				-		
	Circl	e one: General ELL 504 Pla	an	IEP												
			GEN	E	LL	CP AS		MC	Г2			SATI	22		MWA P <u>3</u>	MS T
	#	ACCOMMODATION	General (ALL students)	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	<del>Eng. II MC -</del> Writing/Grammar	U.S. History	Writing Assessment Grades 4 & 7 English II	Science 5 & 8
	1		V	V	V	V	V	V	V	V	V	V	-	V	V	V
	1 2	At the front of the room Facing test administrator while directions given	Y Y	Y Y	Y Y	Y Y	Y Y	Y Y	Y Y	Y Y	Y Y	Y Y	¥       ¥	Y Y	Y Y	Y Y
	3	In a small group	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
9	4	Individually to accommodate specific disability	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	5	In a familiar room	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	6	With a familiar teacher	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	7	At home (only for homebound students)	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	8	In a study carrel	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	9	With special lighting	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y

	10	Specialized table to fit a student's wheelchair	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
ĺ	11	Secure paper to work area with magnets/tape	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
			GEN ELL			CP AS		MC	Г2			SATI	P2		MW AP3	MS T
	#	ACCOMMODATION	General (ALL students)	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	Eng. II MC- Writing/Grammar	U.S. History	Writing Assessment Grades 4 & 7 English II	Science 5 & 8
	21	With scheduled rest breaks	N	N	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
ng	22	At time of day to accommodate student's disability	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	23	Until, in test administrator's judgment, the pupil can no longer continue the activity	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Timing / Scheduling	24	Administer the test over several sessions, specifying the duration of each session (MDE prior approval required) <b>REFER TO</b> <b>NOTE 4</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	25	Administer the test over several days, specifying the duration of each day's session (MDE prior approval required) <b>REFER TO</b> <b>NOTES 4 &amp; 16</b>	N	Y	Note 16	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
1	40	Large print	N	Ν	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
no	41	Braille <b>REFER TO NOTE 5</b>	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Presentation	42	Hearing aids	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
sent	43	Auditory trainers	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
res	44	Transparent color overlays	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	45	Magnifying glasses/magnifying equipment	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	46	Templates to reduce visible print	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y

47	Provide cues (e.g., arrows and stop signs) on answer form in pencil <b>REFER TO NOTE</b> <b>6</b>	N	Y	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
48	Use of memory aids, fact charts, resource sheets, and/or abacus <b>REFER TO NOTE</b> 7	N	Y	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y

_			GEN	EN ELL		CP AS	MCT2		SATP2					MWA P <u>3</u>	MS T	
	#	ACCOMMODATION	General (ALL students)	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	Vocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	<del>Eng. II MC –</del> Writing/Grammar	U.S. History	Writing Assessment Grades 4 & 7 English II	Science 5 & 8
	49	Clue student to stay on task	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	50	Highlight key words/phrases in directions (e.g., complete sentences, show your work) by the teacher	Ν	Y	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	53	Read test directions (but <u>not</u> test items) to individual students or a group repeating and/or paraphrasing directions if needed <b>REFER TO NOTE 8 &amp; 9</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
ion	55	Read test directions <u>&amp; and</u> test items to individual students or a group repeating directions/items, but <u>not</u> paraphrasing <b>REFER TO NOTES 8 &amp; 9</b>	Ν	Y	N	Y	N	Y	Y	Y	Y	N	¥	Y	Y	Y
Presentation	58	Read test directions and test items to individual students or a group repeating and/or paraphrasing <u>only</u> the directions if needed <b>REFER TO NOTES 8 &amp; 9</b>	N	Y	N	Y	N	Y	Y	Y	Y	N	¥	Y	Y	Y
	60	Use of highlighter (yellow only) by student in test booklet	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y

	61	Calculator (MCT2 Mathematics: Allowable only in grades 7 and 8) <b>REFER TO NOTE</b> 15	Ν	Note 15	Ν	N	N	N	Note 15	Y	N	N	N	N	Ν	Ν
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	#	ACCOMMODATION	General (ALL students)	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	V ocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	<del>Eng. II MC -</del> Writing/Grammar	U.S. History	Writing Assessment Grades 4 & 7 English II	Science 5 & 8
	70	Dictation of answers to test administrator/proctor (scribe) <b>REFER TO NOTE 10</b>	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	72	Allow marking of answers in booklet and transferring of answers from test booklet/answer document to answer document by test administrator (i.e., large print) <b>REFER TO NOTE 11</b>	N	Y	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	73	Tape record responses for later verbatimtranslation <b>REFER TO NOTE 12</b>	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
e	74	Provide copying assistance between drafts <b>REFER TO NOTES 10 &amp; 11</b>	Ν	Ν	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Response	75	Brailler	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
Res	76	Communication board	Ν	Ν	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	77	Augmentative communicative device	Ν	Ν	Ν	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	78	Computer / word processor ( <u>without</u> grammar/syntax checker & <u>without</u> work completion/prediction feature) <b>REFER TO NOTE 13</b>	N	N	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	79	Computer / word processor ( <u>without</u> grammar/syntax checker, <u>with</u> completion/prediction activated)	N	N	N	Y	Y	Y	Y	Y	Y	Y	N	Y	¥ <u>N</u>	Y
	80	Adapted keyboards	Ν	Ν	N	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y

			GEN	CP AS		MC	Г2			SATP		MWA P <u>3</u>	MS T			
	#	ACCOMMODATION	tu	SATP2, CPAS, MCT2, MST, MWAP	ACCESS for ELLs®	V ocational Education	L.A Reading	L.A Writing	Mathematics	Algebra I	Biology I	Eng. II MC - Read. / Vocab.	<del>Eng. II MC –</del> Writing/Grammar	U.S. History	Writing Assessment Grades 4 & 7 English II	Science 5 & 8
Response	81	Native language dictionaries for ELL students (i.e. dictionaries that translate English words into the native language - no definitions are given in either language <b>REFER TO NOTE 14</b>	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
Re	82	Spelling dictionaries (dictionaries show correct spelling of English words; do not give definitions).	N	N	N	N	N	N	Y	Y	Y	Ν	ħ	Y	Ν	Y
	<b>98</b>	Other allowable accommodation	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	¥	Y	Y	Y
	99	Other <b><u>non-allowable</u></b> accommodation	Ν	N	Ν	N	Ν	Ν	Ν	Ν	Ν	Ν	N	Ν	Ν	Ν