



# New Jersey Assessment of Skills and Knowledge Grade 8 MATHEMATICS REFERENCE SHEET

Use the information below to answer questions on the  
Mathematics section of the Grade Eight Assessment of Skills and Knowledge (NJ ASK 8)

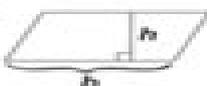
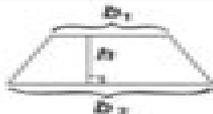
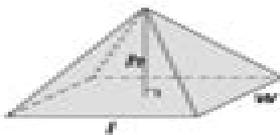
The sum of the measures of the interior angles of any  $n$ -sided polygon =  $(n - 2)180^\circ$

**Distance** = rate  $\times$  time

**Simple Interest Formula**  $A = p + prt$       **Compound Interest Formula**  $A = p(1 + r)^t$   
 $A$  = amount after  $t$  years;  $p$  = principal;  $r$  = annual interest rate;  $t$  = number of years

The number of combinations of  $r$  objects you can choose from a set of  $n$  objects is  $\frac{n!}{(n-r)!r!}$

The number of permutations of size  $r$  taken from  $n$  objects is  $\frac{n!}{(n-r)!}$

|  |   |  |
|--|---|--|
| <p style="text-align: center;"><b>Pythagorean Formula</b></p> $c^2 = a^2 + b^2$   | <p style="text-align: center;">Use the following equivalents for your calculations:</p> $\pi = 3.14 \text{ or } \frac{22}{7}$   | <p style="text-align: center;"><b>Rectangle</b></p> <p>Area = <math>lw</math><br/>Perimeter = <math>2l + 2w</math></p>                        |
| <p style="text-align: center;"><b>Triangle</b></p> <p>Area = <math>\frac{1}{2}bh</math></p>   | <p style="text-align: center;"><b>Parallelogram</b></p> <p>Area = <math>bh</math></p>   | <p style="text-align: center;"><b>Trapezoid</b></p> <p>Area = <math>\frac{1}{2}h(b_1 + b_2)</math></p>                                        |
| <p style="text-align: center;"><b>Circle</b></p> <p>Area = <math>\pi r^2</math><br/>Circumference = <math>2\pi r</math><br/>                          = <math>\pi d</math></p>  | <p style="text-align: center;"><b>Sphere</b></p> <p>Volume = <math>\frac{4}{3}\pi r^3</math><br/>Surface Area = <math>4\pi r^2</math></p>       | <p style="text-align: center;"><b>Cylinder</b></p> <p>Volume = <math>\pi r^2 h</math><br/>Surface Area = <math>2\pi rh + 2\pi r^2</math></p>  |
| <p style="text-align: center;"><b>Cone</b></p> <p>Volume = <math>\frac{1}{3}\pi r^2 h</math></p>   | <p style="text-align: center;"><b>Rectangular Prism</b></p> <p>Volume = <math>lwh</math><br/>Surface Area = <math>2lw + 2wh + 2lh</math></p>  | <p style="text-align: center;"><b>Pyramid</b></p> <p>Volume = <math>\frac{1}{3}lwh</math></p>    |

(OVER)  $\rightarrow$

# Nj Ask 5 Math Reference Sheet

**Xiaolong Qi**



## Nj Ask 5 Math Reference Sheet:

*Popular Mechanics*, 1909      **States at War, Volume 4** Richard F. Miller, 2015-02-03 While many Civil War reference books exist there is no single compendium that contains important details about the combatant states and territories that Civil War researchers can readily access for their work People looking for information about the organizations activities economies demographics and prominent personalities of Civil War States and state governments must assemble data from a variety of sources with many key sources remaining unavailable online This crucial reference book the fourth in the States at War series provides vital information on the organization activities economies demographics and prominent personalities of Delaware Maryland and New Jersey during the Civil War Its principal sources include the Official Records state adjutant general reports legislative journals state and federal legislation federal and state executive speeches and proclamations and the general and special orders issued by the military authorities of both governments North and South Designed and organized for easy use by professional historians and amateurs this book can be read in two ways by individual state with each chapter offering a stand alone history of an individual state s war years or across states comparing reactions to the same event or solutions to the same problems      *Report of the New Jersey Agricultural Experiment Station, 1st-79th.*

*1880-1957-58) and the 1st-58th Report of the New Jersey Agricultural College Experiment Station, 1888-1944/45* New Jersey Agricultural Experiment Station, 1920      **Documents of the ... Legislature of the State of New Jersey** New Jersey. Legislature, 1920      Report of the Department of Entomology of the New Jersey Agricultural Experiment Station New Jersey Agricultural Experiment Station Department of Entomology, 1920      **Report of the Department of Entomology of the New Jersey Agricultural College Experiment Station**, 1915      Bibliographies and Literature of Agriculture, 1978

**Congressional Record** United States. Congress, 1991 The Congressional Record is the official record of the proceedings and debates of the United States Congress It is published daily when Congress is in session The Congressional Record began publication in 1873 Debates for sessions prior to 1873 are recorded in The Debates and Proceedings in the Congress of the United States 1789 1824 the Register of Debates in Congress 1824 1837 and the Congressional Globe 1833 1873

*Harper's Round Table*, 1896      The American Architect, 1925      **Popular Mechanics**, 1946-09 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle      **Popular Mechanics**, 1911-12 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle      *American Architect and the Architectural Review*, 1925      **The Family Contribution Formula, 1986-87**, 1986      **Popular Mechanics**, 1953-03 Popular Mechanics inspires instructs and influences readers to help them master

the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle **New York Produce Review and American Creamery** ,1906 *Popular Science* ,1951-10 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better **Popular Science** ,1926-11 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better *Computerworld* ,1985-06-03 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network *Monthly Catalog of United States Government Publications* ,1983

## Reviewing **Nj Ask 5 Math Reference Sheet**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Nj Ask 5 Math Reference Sheet**," an enthralling opus penned by a highly acclaimed wordsmith, readers embark on an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve into the book's central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

<https://crm.avenza.com/results/detail/Documents/Range%20Rover%202014%20Manual.pdf>

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