

Department of Education
National Education Testing and Research Center
National Achievement Test - Year 4 (SY2012-2013)

Report: Percentage of Correct Responses by Subject Area and Overall Test
Scope: Sarangani

LEARNING COMPETENCIES		PCR
Filipino		
1	Natutukoy ang mga bahaging nagpapahayag ng mga - talinghaga	32.65
2	Natutukoy ang mga bahaging nagpapahayag ng mga - larawang-diwa	57.30
3	Natutukoy ang mga bahaging nagpapahayag ng mga - pagpapatungkol	54.54
4	Nasasabi ang bisa ng salita ayon sa kahulugan ng - matalinghaga	58.11
5	Nasasabi ang bisa ng salita ayon sa kahulugan ng - kasingkahulugan at iba pa	48.14
6	Nalilinaw ang istruktura ng banghay ng akda batay sa - kasukdulan	49.93
7	Nalilinaw ang istruktura ng banghay ng akda batay sa - wakas	75.25
8	Naiuugnay ang mga kaisipang nakapaloob sa akda batay sa nangyayari sa - sarili	59.57
9	Naiuugnay ang mga kaisipang nakapaloob sa akda batay sa nangyayari sa pamayanan	63.44
10	Naiuugnay ang mga kaisipang nakapaloob sa akda batay sa nangyayari sa daigdig	73.96
11	Natutukoy ang layunin ng akda gaya ng - nagtuturo	53.16
12	Natutukoy ang layunin ng akda gaya ng - nagpapaliwanag	51.92
13	Nakikilala ang mga bahagi ng akda na nagpapakita ng pagkamakapangyarihan ng tao batay sa kanyang - kilos	64.80
14	Nakikilala ang mga bahagi ng akda na nagpapakita ng pagkamakapangyarihan ng tao batay sa kanyang - paniwala	60.80
15	Nakikilatis ang tauhan batay sa pakikitungo sa ibang tauhan	42.59
16	Nakabubo ng sariling pagwawakas sa akda	59.02
17	Natutukoy ang mga bahaging nagpapakita ng orihinal na pinanggalingan ng paniniwala	67.92
18	Natutukoy ang mga ideya na nakapaloob sa akda	67.56
19	Nailalahad ang papel ng tao bilang bahagi ng isang lipunan	41.00
20	Naiisa-isa ang mga kaisipan dito gaya ng - kabuluhan ng edukasyon	54.43
21	Naiisa-isa ang mga kaisipan dito gaya ng - pamamalakad sa pamahalaan	45.45
22	Naiisa-isa ang mga kaisipan dito gaya ng - pagmamahal sa bayan	50.83
23	Naiisa-isa ang mga kaisipan dito gaya ng karapatang pantao	36.49
24	Naiisa-isa ang mga kaisipan dito gaya ng - paninindigan sa prinsipyo	50.84
Araling Panlipunan		
1	Nasusuri ang ekonomiks bilang isang agham panlipunan	65.15
2	Nauuri ang pinagkukunang-yaman ng Pilipinas	67.12
3	Natataya ang uri, dami, kalidad at kahalagahan ng lakas-paggawa (labor force) sa pag-kakaroon ng produkto at mataas na kalidad na antas ng produksyon	55.40
4	Nakikilala ang mga palatandaan ng kakapusan bilang isang suliraning panlipunan	67.84
5	Nasusuri ang kaibahan ng kagustuhan (needs) sa pangangailangan (needs) bilang batayan sa pagbuo ng matalinong desisyon	53.57
6	Nasusuri ang mga epekto ng pag-aanunsyo sa pagkonsumo	70.93
7	Nasusuri ang mga salik (factors) ng produksyon bilang batayan sa matalinong paggamit ng mga ito	50.16
8	Naipapahayag ang damdamin ukol sa mahalagang papel ng entreprenyursip sa ekonomiya at sa produksyon	67.19
9	Nasusuri ang mgasalik na nakaaapekto sa demand	61.37
10	Nasusuri ang mga salik ng produksyon na nakaaapekto sa suplay	32.60
11	Nasusuri ang iba't ibang anyo ng pamilihan na tumutugon sa maraming pangangailangan ng mga tao	33.35
12	Nakikilala ang mga pamamaraan sa pagsukat ng pambansang produkto	68.31
13	Natutukoy ang dahilan/epekto ng implasyon	40.16
14	Nasusuri ang pinagkukunan ng pananalaping pamahalaan	59.74
15	Nasusuri ang badyet at ang kalakaran ng paggasta ng pamahalaan	68.17
16	Nakikilala ang bumubuo ng sektor ng pananalapi	41.71
17	Naipaliliwanag ang uri at gamit ng salapi	47.93
18	Nasusuri ang mga dahilan at epekto ng suliranin ng sektor ng agrikultura, pangingsda at paggugubat sa bawat Pilipino	47.74
19	Natataya ang kahandaan ng bansa sa paggamit ng makabagong teknolohiya tungo sa isang masigla at maunlad na ekonomiya	56.43
20	Nasusuri ang kabutihan/di-kabutihan ng kalakalang panlabas tungo sa isang masigla at maunlad na ekonomiya	35.77

Mathematics

1	Determine whether a given set of ordered pairs is a function of a mere relation	67.81
2	Determine whether a given graph represents a function or a mere relation	65.91
3	Determine the value of $f(x)$ given a value for x	67.58
4	Given $f(x) = mx + b$, determine the following - x and y intercepts	60.37
5	Given $f(x) = mx + b$, determine the following - slope	57.93
6	Solve problems involving linear functions	53.93
7	Given a quadratic function, determine: - highest and lowest point (vertex)	55.55
8	Given a quadratic function, determine: - the axis of symmetry	52.26
9	Given a quadratic function, determine - direction of the opening of the graph	56.57
10	Find the roots of a quadratic equation by - factoring	69.75
11	Find the root of a quadratic equation by - completing the squares	51.60
12	Solve problems involving quadratic functions and equations	64.89
13	Find by synthetic division, the quotient and the remainder when $p(x)$ is divided by $(x-c)$	64.22
14	Find the zeroes of polynomials of degree greater than 2 by - Factor Theorem	53.07
15	Find the zeroes of polynomials of degree greater than 2 by - synthetic division	58.28
16	Determine the inverse of a given function	61.14
17	Solve simple logarithmic equations	55.36
18	Solve problems involving exponential and logarithmic functions	62.40
19	Convert from degree to radian and vice versa	68.18
20	Given a unit circle and an angle in standard position, determine the coordinates of its terminal side	62.35
21	Solve simple trigonometric equations	61.79
22	Apply knowledge and skills related to circular function and trigonometric equation in problem solving	60.49
23	Interpret data	56.15
24	Find the measure of central tendency using grouped/ungrouped data - mean	68.26
25	Find the measure of central tendency using grouped/ungrouped data - mode	66.88
26	Find the measure of central tendency using grouped/ungrouped data - median	55.22
27	Calculate the different measure of variability relative to the given set of data, grouped or ungrouped - range	58.62

Science

1	Infer that the total mass-energy in the universe is constant	46.41
2	Describe the reflection and refraction properties of light using simple optical devices	66.04
3	Compare the similarities and differences of the principle of the camera and the human eye	58.23
4	Explain different kinds of eyesight defects/and how lenses correct these defects	34.49
5	Cite applications of properties of light	60.04
6	Given an angle of incidence and indices of refraction of two materials, illustrate the path of a light ray incident on the boundary (Snell's Law)	40.66
7	Compare the types and properties of ionizing radiation	48.13
8	Interpret equations on nuclear reactions	56.85
9	Describe the effect of the application of nuclear radiation on living things and the environment	49.39
10	Explain the principle of radiation safety and its importance in society	45.54
11	Identify the significant contributions of Franklin, Coulomb, Volta, Ohm and other Filipino inventors/scientists in electrical energy and related technology	48.65
12	Translate circuit diagrams	63.59
13	Determine Interrelationship among current, voltage and its resistance	52.54
14	Apply Ohm's Law to series and parallel circuits	33.16
15	Relate power to voltage and current	64.81
16	Compute electrical energy consumption	45.91
17	Explain safety measures in dealing with electricity	65.85
18	Explain electromagnetic induction	58.84
19	Describe the energy transformation in electrical energy from a power station to the community	65.41
20	Describe the working principle of an electric motor	48.51
21	Explain the relationship of KE and PE to work and cite applications	63.19
22	Apply the Law of Conservation of Mechanical Energy in different situations	50.21
23	Apply Newton's Law of Motion to land transportation	50.31
24	Explain road safety measures using the Law of Conservation of Momentum	51.39
25	Explain how the concepts of stress and strain, pressure and the Archimedes Principle apply to air and/or sea transport	46.10
26	Describe the different regions of the electromagnetic spectrum, their properties and uses	54.75
27	Describe how radio signals are generated, transmitted and received	33.19
28	Compare the transmission of sound through air with its transmission through solids, liquids, and a vacuum	51.08
29	Explain how radio communication devices (e.g. cellphones, radio/TV receivers) work	47.31
30	Describe how LASER and fiber optics had improved telecommunications	44.58
31	Explain how the information superhighway has influenced the affairs of daily living	43.32

English

1	Subject-Verb Agreement	64.95
2	Verb Tense	78.08
3	Adjectives	56.22
4	Adverbs	75.18
5	Prepositions	62.11
6	Transitional verbs / cohesive devices	72.75
7	Verbal nouns (gerunds / infinitives)	72.08
8	Pronouns (reflexive)	60.99
9	Interpret illustrations and schematic diagrams in science and technology texts - bar/pie graph	68.74
10	Interpret illustrations and schematic diagrams in science and technology texts - table	74.74
11	Interpret illustrations and schematic diagrams in science and technology texts - table	67.97
12	Deduce the theme/main idea from the selection	61.01
13	Define words thru context or word analysis	47.75
14	Make inferences	42.88
15	Identify the values reflected in various text types if World Literature	50.17
16	Note details	54.15
17	Identify/Interpret figurative language used in the sentence	49.82
18	Identify whether the text is journalistic literacy, academic or scientific	45.36
19	Paraphrase lines / passages	51.90
20	Draw conclusion	58.26

Critical Thinking Skills

1	Syllogistic Reasoning	52.26
2	Decision from an assumption	46.05
3	Interpretation	38.87
4	Evaluation of Arguments	29.86
5	Numerical Reasoning	46.78
6	Reasoning about groups or categories using "All" or "some" statement	29.25
7	Reasoning based on "Either" or "Neither" statement	48.15
8	Reasoning about parts of a group using "Some", "Most". "a few", "almost all" or "many" statements	52.55
9	Reasoning from "If - Then" statements	37.34
10	Reasoning by "drawing a probable conclusion"	22.70