

A summary of child's scores on Sudanese PLS-4 "Arabic Edition"

Date of birth: _____ **Date of assessment:** _____
Childs Name: _____ **Sex:** _____ **Grade:** _____
IQ test: _____ **Mental Age:** _____
Nationality: _____ **Residence:** _____
Articulation assessment: _____ **Hearing assessment:** _____
Doctor / Examiner: _____ **Mobile No:** _____

	Raw Score	10 th percentile	25 th percentile	50 th percentile
Receptive part				
Expressive part				
Total language				

Receptive language modalities that are not acquired (abilities representing the failed item in the record form)

.....

.....

Expressive language modalities that are not acquired (abilities representing the failed item in the record form)

.....

.....

N.B: The numbers listed in the table represent those of the test items

Sudanese PLS- 4 (Arabic virgin) using colloquial Sudanese dialect

Directions: At the child's chronological age, Write the all items failed

Auditory comprehension														
Age	Attention		Cognitive social Skills		semantic				Language structure		Parqmatcs	School Readiness		
	Attention to environment	Attention to people	Play	Gesture	Vocabulary – connected Speech	Qualitative concepts	Quantitative concepts	Spatial concepts	Time/Sequences con	Morphology	Syntax	Pargmatic → Integrative language skills	Emergent literacy skills	Phonological awerness
Birth-2														
3-5														
6-8														
0 - 11/12m														
1y - 1y 5/12m														
1y6/12m - 1y11 /12m														
2y – 2y 5/12m														
2y 6/12m - 2y11/12m														
3y - 3y 6/12m														
3y 6/12 - 3y 11/12m														
4y – 4y 5/12m														
4y6/12m – 4y 11/12m														
5y - 5y 5/12m														
6y - 6y 5/12m														
6y 6/12m - 6y 11/12m														
<7 year														

Expressive communication													
Age	Cognitive social Skills			Semantic					Language structure		School Readiness		
	Vocal development - phonology	play	Gesture	Vocabulary – connected speech	Qualitative concepts	Quantitative concepts	Spatial concepts	Time/Sequences con	Morphology	Syntax	Parqmatcs – integrative language		
Birth-2													
3-5													
6-8													
0 - 11/12m													
1y - 1y 5/12m													
1y6/12m - 1y11 /12m													
2y – 2y 5/12m													
2y 6/12m - 2y11/12m													
3y - 3y 6/12m													
3y 6/12 - 3y 11/12m													
4y – 4y 5/12m													
4y6/12m – 4y 11/12m													
5y - 5y 5/12m													
6y - 6y 5/12m													
6y 6/12m - 6y 11/12m													
<7 year													

Note: Some items numbers are included in more than one category

Sudanese PLS- 4 (Arabic virgin) using colloquial Sudanese dialect

Directions:At the child’s chronological age, Write the all items failed

Age	Auditory comprehension												Expressive communication													
	Attention		Cognitive social Skills		semantic				Language structure		Parqmatics	School Readiness		Cognitive social Skills			semantic				Language structure		School Readiness			
	Attention to environment	Attention to people	Play	Gesture	Vocabulary - connected	Qualitative concepts	Quantitative concepts	Spatial concepts	Time/Sequences con	Morphology	Syntax	Parqmatic → Integrative language skills	Emergent literacy skills	Phonological awerness	Vocal development - phonology	play	Gesture	Vocabulary - connected	Qualitative concepts	Quantitative concepts	Spatial concepts	Time/Sequences con	Morphology	Syntax	Parqmatics → integrative language	
Birth-2																										
3-5																										
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0 - 11/12m																										
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2y 6/12m - 2y11/12m																										
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6y - 6y 5/12m																										
6y 6/12m - 6y 11/12m																										
<7 year																										

Note: Some items numbers are included in more than one category

Sudanese PLS- 4 (Arabic virgin) using colloquial Sudanese dialect

Directions:At the child’s chronological age, Write the all items failed

Age	Auditory comprehension											Expressive communication													
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	Attention to environment	Attention to people	Play	Gesture	Vocabulary - connected	Qualitative concepts	Quantitative concepts	Spatial concepts	Time/Sequences con	Morphology	Syntax	Parqmatic → Integrative language skills	Emergent literacy skills	Phonological awerness	Vocal development - phonology	play	Gesture	Vocabulary - connected	Qualitative concepts	Quantitative concepts	Spatial concepts	Time/Sequences con	Morphology	Syntax	Parqmatics – integrative language
Birth-2																									
3-5																									
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5y - 5y 5/12m																									
6y - 6y 5/12m																									
6y 6/12m - 6y 11/12m																									
<7 year																									

Note: Some items numbers are included in more than one category

Draw a line across the profile representing the child's chronological age , than draw a mark at receptive, expressive and total language ages.

Age	Receptive part	Expressive part	Total language
Birth-2			
3-5			
6-8			
0 - 11/12m			
1y - 1y 5/12m			
1y6/12m - 1y11 /12m			
2y – 2y 5/12m			
2y 6/12m - 2y11/12m			
3y - 3y 6/12m			
3y 6/12 - 3y 11/12m			
4y – 4y 5/12m			
4y6/12m – 4y 11/12m			
5y - 5y 5/12m			
5y 6/12m - 5y11/12m			
6y - 6y 5/12m			
6y 6/12m - 6y 11/12m			
>7 year			

Sub- test – items

Areas assessed with Sudanese preschool language scale (PLS4) (Arabic virgin) using colloquial Sudanese dialect

		Auditory comprehension	Expressive communication
◆ Attention	◆ Attention to environment		
	◆ Attention to people		
✿ Cognitive social Skills	✿ Play		
	◎ Gestures		
	⚙ Vocal development - phonology		
	⌘ Social communication		
● Semantic	● Vocabulary - Connected speech		
	● Qualitative Concepts		
	● Quantitative Concepts		
	● Spatial Concepts		
	● Time Sequences Concepts		
❖ structure	❖ Syntax		
	❖ Morphology		
□ Parqmatic	□ Pragmatics → Integrative language skills		
□ School Readiness	⌘ Emergent literacy skills		
	★ Phonological awareness		

Calculation of the child age: _____

Starting point: _____

Total Language Raw Score Calculation :

(AC)	(EC)

Receptive Raw Score calculation :..... Expressive Raw Score calculation :.....

Table (1) Distribution of the percentile of Receptive Raw Score of the Sudanese PLS-4 for all normal subjects

Age group	10 th percentile	25 th percentile	50 th percentile	75 th percentile	90 th percentile
0 - 11/12m	2	4.3	8.5	10.7	12.1
1y - 1y 5/12m	14.1	16	16.5	17.8	18.9
1y6/12m - 1y11 /12m	18	20	22	23	24
2y – 2y 5/12m	23	25	27	30.5	34.8
2y 6/12m - 2y11/12m	24	27	31	33	35
3y - 3y 6/12m	30.2	32.5	35	38	39
3y 6/12 - 3y 11/12m	36	38	40	41	44
4y – 4y 5/12m	39	41	44	47	48
4y6/12m – 4y 11/12m	41	43	45	47	49
5y - 5y 5/12m	43	47.5	50	53	55
5y 6/12m - 5y11/12m	50	54	56	59	62
6y - 6y 5/12m	53	57	59	61	62
6y 6/12m - 6y 11/12m	60	62	64	64	64
>7 year	60	62	63	64	64

Receptive raw scores highlighted as bold values are considered borderline → counseling and follow up is recommended

The final equation of the Receptive score = $8.07 + \text{age in months} \times 0.672$

Table(2) Distribution of different percentiles according to age groups in Expressive test scores:

Age group	10 th percentile	25 th percentile	50 th percentile	75 th percentile	90 th percentile
0 - 11/12m	2	3.3	6	8	10
1y - 1y 5/12m	11.1	14.2	17	20.7	21.9
1y6/12m - 1y11 /12m	15	19	20	22	23
2y – 2y 5/12m	21	22.3	24	25	27
2y 6/12m - 2y11/12m	21	24	26	29	32
3y - 3y 6/12m	29	31	33	34	36
3y 6/12 - 3y 11/12m	32	34.2	37	39	40
4y – 4y 5/12m	36	38	41	43	46
4y6/12m – 4y 11/12m	39	40	42	47	51
5y - 5y 5/12m	41	44	45	47	52
5y 6/12m - 5y11/12m	43	46	49	52	53
6y - 6y 5/12m	52	54	56	57	60
6y 6/12m - 6y 11/12m	56	61	64	66	66
>7 year	59	61	63	65	66

Expressive raw scores highlighted as bold values are considered borderline → counseling and follow up is recommended

The final equation of the Expressive score = $5.5 + \text{age in months} \times 0.672$

Table (3) distribution of the percentile of total score of the Sudanese test for all normal subjects

Age group	10 th percentile	25 th percentile	50 th percentile	75 th percentile	90 th percentile
0 - 11/12m	4	7.8	15	18.7	22
1y - 1y 5/12m	27	29	35	37	40.8
1y6/12m - 1y11 /12m	36.1	40.2	42.5	44	44.9
2y – 2y 5/12m	42	48	51.5	56.7	60
2y 6/12m - 2y11/12m	46	51	57	62	66
3y - 3y 6/12m	59	64	68	72	74
3y 6/12 - 3y 11/12m	68.1	73	78	80	83
4y – 4y 5/12m	78	82	84	88	93
4y6/12m – 4y 11/12m	81	83.2	88.5	94	96
5y - 5y 5/12m	88.2	93	97	99.5	102
5y 6/12m - 5y11/12m	99	102	105	107	111
6y - 6y 5/12m	110	112.2	115	117	119
6y 6/12m - 6y 11/12m	117	123	127	129	130
>7 year	118	123	126	129	130

Total raw scores highlighted as bold values are considered borderline → counseling and follow up is recommended

The final equation of the Total score = 13.6 + age in months X1.3

Table (4) start points for children at different age groups for Sudanese PLS-4

Age group	Receptive	Expressive
0-2m	AC1	EC1
3m-5m	AC1	EC3
6m-8m	AC4	EC3
9m- 11/12m	AC4	EC3
1y - 1y 5/12m	AC8	EC8
1y6/12m - 1y11 /12m	AC12	EC12
2y – 2y 5/12m	AC15	EC17
2y 6/12m - 2y11/12m	AC19	EC20
3y - 3y 6/12m	AC24	EC23
3y 6/12 - 3y 11/12m	AC29	EC29
4y – 4y 5/12m	AC32	EC35
4y6/12m – 4y 11/12m	AC38	EC35
5y - 5y 5/12m	AC45	EC42
5y 6/12m - 5y11/12m	AC49	EC47
6y - 6y 5/12m	AC53	EC52
6y 6/12m - 6y 11/12m	AC53	EC57
>7 year	AC53	EC57

Table (3) distribution of the percentile of total score of the Sudanese test for all normal subjects

Age group	10 th percentile	25 th percentile	50 th percentile	75 th percentile	90 th percentile
0 - 11/12m	4	7.8	15	18.7	22
1y - 1y 5/12m	27	29	35	37	40.8
1y6/12m - 1y11 /12m	36.1	40.2	42.5	44	44.9
2y – 2y 5/12m	42	48	51.5	56.7	60
2y 6/12m - 2y11/12m	46	51	57	62	66
3y - 3y 6/12m	59	64	68	72	74
3y 6/12 - 3y 11/12m	68.1	73	78	80	83
4y – 4y 5/12m	78	82	84	88	93
4y6/12m – 4y 11/12m	81	83.2	88.5	94	96
5y - 5y 5/12m	88.2	93	97	99.5	102
5y 6/12m - 5y11/12m	99	102	105	107	111
6y - 6y 5/12m	110	112.2	115	117	119
6y 6/12m - 6y 11/12m	117	123	127	129	130
>7 year	118	123	126	129	130

Total raw scores highlighted as bold values are considered borderline ☒ counseling and follow up is recommended

The final equation of the Total score = 13.6 + age in months X1.3

Table (4) start points for children at different age groups for Sudanese PLS-4

Age group	Receptive	Expressive
0-2m	AC1	EC1
3m-5m	AC1	EC3
6m-8m	AC4	EC3
9m- 11/12m	AC4	EC3
1y - 1y 5/12m	AC8	EC8
1y6/12m - 1y11 /12m	AC12	EC12
2y – 2y 5/12m	AC15	EC17
2y 6/12m - 2y11/12m	AC19	EC20
3y - 3y 6/12m	AC24	EC23
3y 6/12 - 3y 11/12m	AC29	EC29
4y – 4y 5/12m	AC32	EC35
4y6/12m – 4y 11/12m	AC38	EC35
5y - 5y 5/12m	AC45	EC42
5y 6/12m - 5y11/12m	AC49	EC47
6y - 6y 5/12m	AC53	EC52
6y 6/12m - 6y 11/12m	AC53	EC57
>7 year	AC53	EC57