

## Geometric Letters Models

Separate Letters,

Connected Letters

and Mixed Letters

Is It Invention or Discovery?

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<https://tahawaw.com>

## 1- Geometric Letters Models

Three models of separate, connected and mixed geometric Arabic letters were developed, and the first model was chosen to be the nucleus of the geometric method of writing (Taha).

### 1.1- Separate Geometric Letters Model

Letters are never connected to each other and based on 2 squares attached vertically.

أَلْحُرُوفُ الّهَنْدَسِيَّةُ الْمُنْفَصِلَةُ - تَلْدَرِيءُهُ - لَدَنْبِيءِيءُهُ - لَهَنْدَرِلَةُ

Dots Place	Dotted Letters						Un-dotted Letters		#
	3 Dots		2 Dots		1 Dot				
Above	ث	ث	ت	ت	ن	ن	ا	ا	1
Below	پ	p	ي	ي	ب	ب			
Above					خ	خ	ح	ح	2
Below	چ	ch			ج	ج			
Above			غ	g	ع	ع	س	س	3
	ش	ش							
					ض	ض	م	م	5
	ص	v	ق	ق	ف	ف			
			ط	ط	ظ	ظ	ر	ر	7
					ز	ز			
					ذ	ذ	د	د	8
None	ك	ك	ل	ل	ه	ه	و	و	13-10

(When short vowels are removed)

أَلْحُرُوفُ الّهَنْدَسِيَّةُ الْمُنْفَصِلَةُ - تَلْدَرِيءُهُ - لَدَنْبِيءِيءُهُ - لَهَنْدَرِلَةُ

## 1.2- Connected Geometric Letters Model

In this model, all the letters accept the connection with what comes before and after them. There is some change in the shape of the separate letters and each letter ends with a joint.

الخُرُوفُ الهندسيَّةُ المُتَّصِلَةُ - ثَلَاثُ حُرُوفٍ - لِهَنْدَسِيَّةٍ هـ - لِمَتَّطِلَةٍ

Dots Place	Dotted Letters						Un-dotted Letters	#		
	3 Dots		2 Dots		1 Dot					
Above	ث	ث	ت	ت	ن	ن	ك	أ	1	
Below	پ	p	پ	ي	ب	ب				
Above					خ	خ	خ	ح	2	
Below	چ	ch			ج	ج				
Above			غ	g	غ	غ	غ	ع	3	
		ش								ط
					ظ	ض	ظ	ص	5	
		ڤ	v	ق	ق	ف				ف
				ة	ة	ظ	ظ	ط	ط	7
					ز	ز	ز			
					ذ	ذ		ذ	د	9
None	ك	ك	ل	ل	ه	ه	و			

(When short vowels are removed)

الحُرُوفُ الهندسيَّةُ المُتَّصِلَةُ - ثَلَاثُ حُرُوفٍ - لِهَنْدَسِيَّةٍ هـ - لِمَتَّطِلَةٍ

### 1.3- Mixed Geometric Letters Model

In this model, some letters do not accept the connection beyond them.

أَلْحُرُوفُ الّهَنْدَسِيَّةُ الْمُخْتَلِطَةُ - ثَلَاثُ حُرُوفٍ - لَقَدْ نَدَّسَ بِيَدِهِ ه - لَمْ يَخْتَلِطْ - ط

Dots Place	Dotted Letters						Un-dotted Letters		#	
	3 Dots		2 Dots		1 Dot					
Above	ث	ث	ت	ت	ن	ن	ث	أ	1	
Below	پ	p	پ	ي	ب	ب				
Above					خ	خ	ح	ح	2	
Below	چ	ch			ج	ج				
Above			غ	g	غ	غ	ع	ع	3	
		ش								س
					ظ	ض	ص	ص	5	
		ڤ	v	ق	ق	ف				ف
				ة	ة	ظ	ظ	ط	ط	7
					ز	ز	ر			
					ذ	ذ		د	د	9
None	ك	ك	ل	ل	ه	ه	و			

(When short vowels are removed)

أَلْحُرُوفُ الّهَنْدَسِيَّةُ الْمُخْتَلِطَةُ - ثَلَاثُ حُرُوفٍ - لَقَدْ نَدَّسَ بِيَدِهِ ه - لَمْ يَخْتَلِطْ - ط



## 2.2- Separate geometric letters and Latin Matching Letters

Separate geometric letters can be converted to Latin matching letters (lml) and vice versa by changing the font. In order to match the geometric letters to the Latin letters letter by letter, all small and large Latin letters are redefined to include all Arabic and English letters.

Dots Place	Dotted Letters									Un-dotted Letters			#
	3 Dots			2 Dots			1 Dot						
Above	B	ث	ث	t	ت	ت	n	ن	ن	x	ا	ا	1
Below	p	پ	p	y	ي	ي	b	ب	ب				
Above							C	خ	خ	c	ح	ح	2
Below	H	ح	ch				j	ج	ج				
Above				g	غ	غ	Q	ق	ق	q	ع	ع	3
	F	ش	ش							s	س	س	4
							D	ض	ض	S	ص	ص	5
	v	ص	v	K	ك	ك	f	ف	ف	m	م	م	6
				R	ر	ر	Z	ز	ز	T	ط	ط	7
							z	ز	ز	r	ر	ر	8
							P	ذ	ذ	d	د	د	9
None	k	ك	ك	l	ل	ل	h	ه	ه	w	و	و	13-10

ح-ل-ك-ع-غ-ق-ص-ط-ز-ر-د-و (Taham)

الخروف اللاتينية المطابقة (حلم) - lmlTAbiKaR - llatIniyYaRu - xalcurUfu

### 2.3- Separate Geometric Letters and English Matching letters

Separate geometric letters can be converted to matching Latin letters by changing the font and vice versa. According to writing Arabic way {wAw}, Geometric letters can be converted to matching English letters by editing 8 large Latin letters (B, H, F, R, C, Q, Z, P) to compound letters (th, ch, sh, t/h, kh, gh, dh, dh) and Tied to (h) at stops or to moving connected (t).

Dots Place	Dotted Letters									Un-dotted Letters			#
	3 Dots			2 Dots			1 Dot			Letters			
Above	th	ث	ث	t	ت	ت	n	ن	ن	x	خ	أ	1
Below	p	پ		y	ي	ي	b	ب	ب				
Above							kh	خ	خ	c	ك	ح	2
Below	ch	چ					j	ج	ج				
Above				g	غ		gh	غ	غ	q	ق	ع	3
	sh	ش	ش							s	س	س	4
							D	ذ	ض	S	ص	ص	5
	v	ف		K	ق	ق	f	ف	ف	m	م	م	6
				t/h	ط	ط	Dh	ظ	ظ	T	ط	ط	7
							z	ز	ز	r	ر	ر	8
							dh	ذ	ذ	d	د	د	9
None	k	ك	ك	L	ل	ل	h	ه	ه	w	و	و	13-10

ت=ل=ك=ع=غ=ق=ط - ل=ت=ن=ي=ج=ح=خ (Taham)

الخروف الإنجليزيَّة المُطابِقة (واو) - xalcurUfu - lxingllziyyatu - lmuTAbiKah (wAw)