

الحروف العربية الهندسية على خطى الأرقام العربية نحو العالمية

٥	٤	٣	٢	١	٠	٩	٨	٧	٦	٥	٤	٣	٢	١	٠
أحمد								طورلك							

أسوةً بالأرقام العربية العالمية في النظام العشري تم وضع **10 رموز هندسية عالمية** لكتابة **9** حروف عربية كما في الشكل. وبدوران حرف الحاء 90 درجة ثلاث مرات وقلب حرف الواو نحصل على **13** حرفاً غير منقوط. وبالتنقيط نحصل على **15** حرفاً منقوطاً و **4** حروف إنجليزية هندسية فيكون المجموع **32** حرفاً هندسياً صوتياً والتي تتم مطابقتها مع الحروف العربية الصحيحة والحروف اللاتينية الصغيرة والكبيرة والمركبة لكتابة النصوص العربية والإنجليزية والفرنسية كما يلي:

1- **مطابقة الرموز الهندسية مع 28 حرفاً عربياً صوتياً صحيحاً و 4 حروف إنجليزية صوتية:**

رمز الهمزة (من مربع صغير مفتوح من اليمين مع ضلع سفلي من اليسار) يقع فوق **رمز النبرة** (زاوية من ضلعين).

6 رموز قصيرة (من نموذج المربع) تُستعمل مع التنقيط في 18 حرفاً عربياً هندسياً و 4 حروف إنجليزية قصيرة:

6 حروف عربية (ب، ي، ن، ت، ث) وحرف إنجليزي من **رمز النبرة** (زاوية المربع اليمنى السفلية).

9 حروف عربية (ح، خ، ج، ع، غ، س، ش، ص، ض) وحرفين إنجليزيين من **4 رموز للمربع المفتوح**.

3 حروف عربية (م، ف، ق) وحرف إنجليزي من **رمز المربع**. وتكتب هذه الحروف فوق السطر كما يلي:

٥	٤	٣	٢	١	٠	٩	٨	٧	٦	٥	٤	٣	٢	١	٠
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

٥	٤	٣	٢	١	٠	٩	٨	٧	٦	٥	٤	٣	٢	١	٠
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

7 **رموز طويلة (من نموذج المربعين المتلاصقين عمودياً) تستعمل مع التنقيط في 10 حروف عربية هندسية طويلة:**

3 حروف (ل، ر، ز) من **رمز النبرة** وفوقها ضلع عمودي من اليمين أو تحتها نبرة.

3 حروف (د، ذ، ك) من **رمز المربع المفتوح من اليسار** وفوقه ضلع عمودي من اليسار أو فوقه نبرة مقابلة.

4 حروف (ط، ظ، هـ، و) من **رمز المربع** وفوقه ضلع عمودي من اليسار أو فوقه نبرة مقلوبة أو تحتها نبرة.

وتكتب هذه الحروف فوق السطر ماعدا الحروف السفلية (ر، ز، و) فنصفها السفلي يكتب تحت السطر كما يلي:

٥	٤	٣	٢	١	٠	٩	٨	٧	٦	٥	٤	٣	٢	١	٠
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ويلفظ حرف التاء المربوطة (ة) في آخر الكلمة تاءً عند الوصل وهاءً عند الوقف وهولا يعد حرفاً من الحروف الأبجدية.

2- **مطابقة الحروف الهندسية مع الحروف اللاتينية الصغيرة والكبيرة والحروف الإنجليزية المركبة**

ع	(4) حروف إنجليزية				(15) حرفاً منقوطاً															(13) حرفاً غير منقوط																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
					ضظغ			تخذ			قفز			جيش			بنت			ع	س	ص	طورك			هل	أحمد																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
G	چ	ځ	ټ	پ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ	ځ