

h.bilani@scs-net.org

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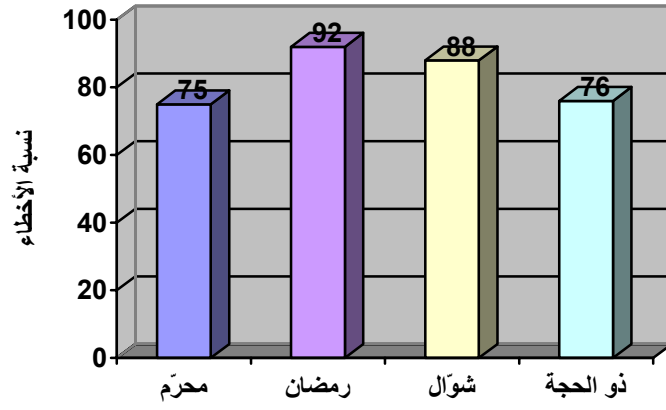
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12	16	21	49	
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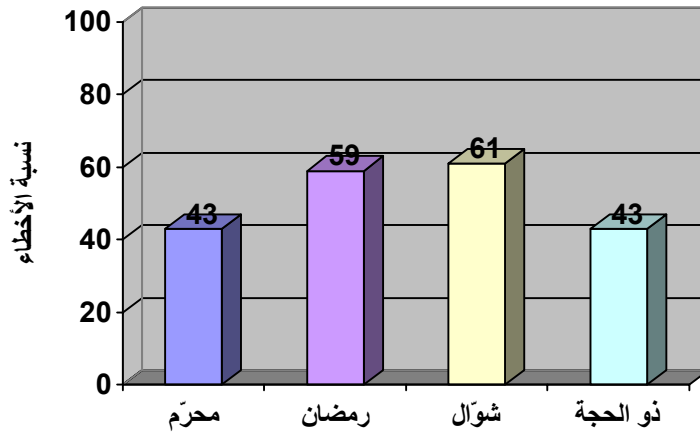
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25	32	43	47	
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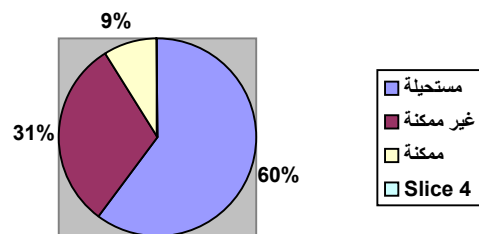
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[7] Ilias Mohammad, A Modern Guide to Astronomical Calculations of Islamic Calendar, Times & Qibla. Berita publishing SDN. BHD.,

[8] Caldwell A. R., Laney David, First Visibility of the Lunar Crescent. Islamic Astronomical Conference (Astronomical Applications in Islamic Shari'a), Amman, 1999.

[9] Omar Afzal, Islamic Calendar Calculations: Some Issues. Islamic Astronomical Conference (Astronomical Applications in Islamic Shari'a), Amman, 1999.