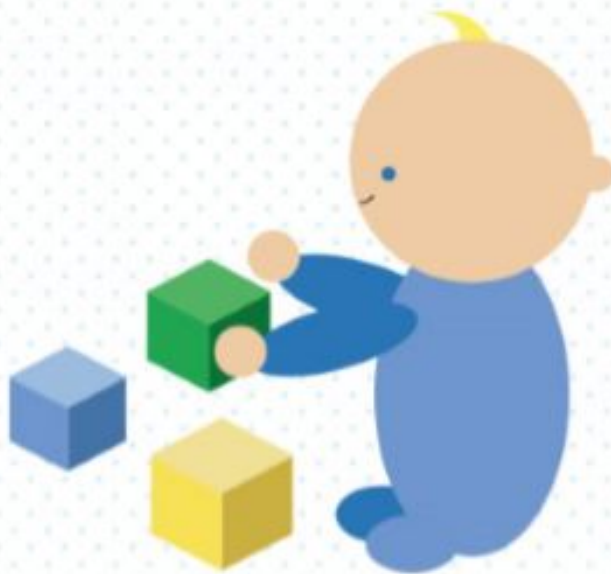


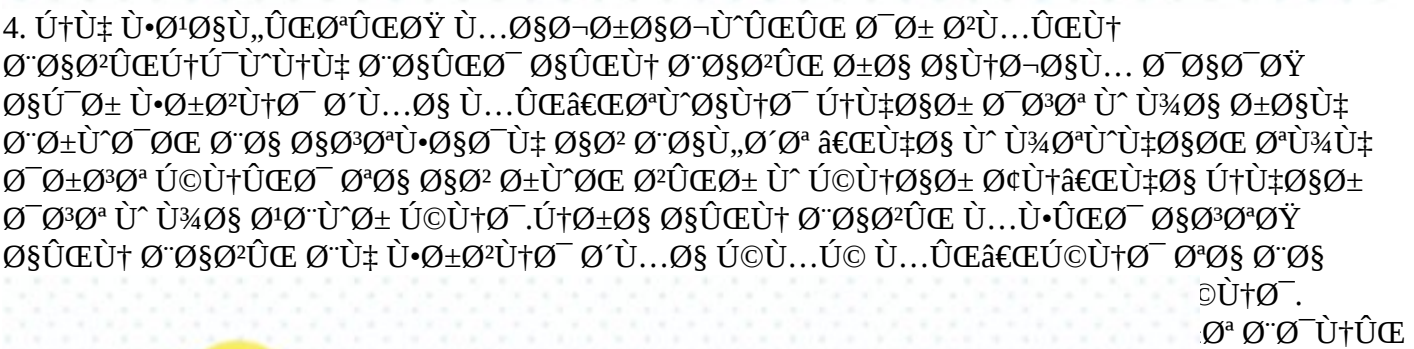
Ù•Ø¹Ø§Ù,,ÛÆØªâ€ÆÙ‡Ø§ÛÆÛÆ Ø¨Ø±Ø§ÛÆ
Ú©ÙˆØˉÚ©Ø§Ù† ØˉØ± ØˉÙˆØ±Ø§Ù†
Ù,Ø±Ù†Ø•ÛÆÙ†Ù‡ Ú©Ø±ÙˆÙ†Ø§:
Ø§ÛÆØˉÙ‡â€ÆÙ‡Ø§ÛÆ Ø´Ø§Øˉ Ø¨Ø±Ø§ÛÆ
Ø¨Ø§Ø²ÛÆ Ú©ÙˆØˉÚ©Ø§Ù† 8 ØªØ§ 10 Û...
Ø§Ù‡Ù‡

ØˉØ± ØˉÙˆØ±Ø§Ù† ÛÙ...Ù‡â€ÆÙˆÆØ±ÛÆ Ú©Ø±ÙˆÙ†Ø§ ØˉÙ‡ ÛÙ...Ø±Ø§Ù‡
Ù•Ø±Ø²Ù†ØˉØªØ§Ù† ØˉØ± Ø®Ø§Ù†Ù‡ Û...Ø§Ù†ØˉÙˆØ§Ø± ØˉØˉÙ‡â€ÆØ§ÛÆØˉØŸ Ø§ÛÆÙ†
Ù¼Ù†Øˉ Ø§ÛÆØˉÙ‡ Ø±Ø§ ØˉÙ†ØˉØ§Ù,, Ú©Ù†ÛÆØˉ ØªØ§ Û•Ø±Ø²Ù†ØˉØªØ§Ù† Ø±Ø§ Ø§Ø²
Ù†Ø,Ø± Û•ÛÆØ²ÛÆÚ©ÛÆ Ûˆ Ø°Ù‡Ù†ÛÆ ØˉÙ‡ Û•Ø¹Ø§Ù,,ÛÆØª ØªØˉØ±ÛÆÚ© Ú©Ù†ÛÆØˉ.Ø²Ù...
Ø§Ù†ÛÆ Ú©Ù‡ ØˉØ±Ø§ÛÆ ØˉØ§Ø²ÛÆ Ú©Ø±ØˉÙ† ØˉØ§ Û•Ø±Ø²Ù†Øˉ Ø®ÙˆØˉ Û...
ÛÆâ€ÆÙˆØªØ±Ø§Ù†ÛÆØˉ ØˉØ³ÛÆØ§Ø± ÛˆØ±Ø§Ù†ØˉÙ‡Ø§Ø³Øª Ûˆ Ø§ÛÆÙ† ØˉØ§Ø²ÛÆ
Ú©Ø±ØˉÙ† ØˉØ±Ø§ÛÆ Û‡Ø± ØˉÙˆÛÆ ØˉÙ...Ø§ Ø³Ø±ÛˆØ±Ù...â€ÆÙ©Ù†Ù†ØˉÙ‡ Ø®ÙˆØ§Ù‡Øˉ
ØˉÙˆØˉ. Ø§Ù...Ø§ ØˉØ§Ø²ÛÆ Ú©Ø±ØˉÙ† Û†ÛÆØ²ÛÆ Û•Ø±Ø§ØªØ± Ø§Ø² ÛˆØªØ±Ø§Ù†ØˉÙ†
Ù,,Ø-Ø,Ø§Øª ÛˆÛÆÙ‡ Ûˆ Ø®Ø§Øµ ØˉØ§ ÛÆÚ©ØˉÛÆÙˆØ± Ø§Ø³Øª Ûˆ ØˉÙ‡ ØˉÙ...Ø§ Ø§ÛÆÙ†
Ù•Ø±ØµØª Ø±Ø§ Û...ÛÆâ€ÆØˉÙ‡Øˉ Ú©Ù‡ ØˉÙ‡ Ú©ÙˆØˉÚ© Ø®ÙˆØˉ Ú©Ù...Ú© Ú©Ù†ÛÆØˉ ØªØ§
Ù...Ù‡Ø§Ø±Øªâ€ÆÙ‡Ø§ÛÆ ØˉØ±Ú©ØªÛÆØÆ Ø®Ù,,Ø§Ù,,Ø§Ù†Ù‡ Ûˆ ØˉÙ,, Û...Ø³Ø¹Ù,,Ù‡ Ø®ÙˆØˉ
Ø±Ø§ ØªÙˆØ³Ø¹Ù‡ ØˉÙ‡Øˉ. Û¼Ø³ ØˉØ§Ù,,Ø§ Ú©Ù‡ ØˉÙ‡ Ø®Ø§ØˆØ± Ú©Ø±ÙˆÙ†Ø§ ØˉØ±
Ø®Ø§Ù†Ù‡ Û...Ø§Ù†ØˉÙ‡â€ÆØ§ÛÆØˉ Û†Ø±Ø§ Ø§Ø² Ø§ÛÆÙ† Ø²Ù...Ø§Ù† ØˉÛÆØˉØªØ±ÛÆÙ†
Ø§Ø³ØªÙ•Ø§ØˉÙ‡ Ø±Ø§ Û†Ù...ÛÆâ€ÆØˉØ±ÛÆØˉØŸ Ø±ÙˆÛÆØˉØ§ØˉÙ‡Ø§ÛÆ Û...Ù‡Ù... Ûˆ
Ù†Ù,,Ø§Øˆ ØªØˆÙ• Ø±ØˆØˉ Ûˆ ØªÚ©Ø§Ù...Ù,, Ú©ÙˆØˉÚ©Ø§ÙˆØ± Û•Ø±Ø²Ù†Øˉ ØˉÙ...Ø§ Û‡Ù†ÙˆØ²
Ø®Ø²ÛÆØˉÙ† Ûˆ Û†Ù‡Ø§Ø± ØˉØ³Øª Ûˆ Û¼Ø§ Ø±Ù•ØªÙ† Ø±Ø§ Ø¶Ø°Ø§Ø² Û†Ú©Ø±ØˉÙ‡
Ø§Ø³ØªØÆ ØˉÙ‡ Ø²ÙˆØˉÛÆ Ø§ÛÆÙ† Ú©Ø§Ø± Ø±Ø§ Ø¶Ø°Ø§Ø² Ø®ÙˆØ§Ù‡Øˉ Ú©Ø±Øˉ. Û...Ø¹Ù...
ÙˆÙ,,Ø§ÙˆØÆ ØˆØ±ÙˆÙ† Û†Ù‡Ø§Ø± ØˉØ³Øª Ûˆ Û¼Ø§ Ø±Ù•ØªÙ† ØˉÛÆÙ† 7 ØªØ§ 10 Û...
Ø§Ù‡ÙˆÛÆ Ø§ØªÙ•Ø§Ù, Û...ÛÆâ€ÆØ§Ù•ØªØˉ. ØªÙˆØ§Ù†Ø§ÛÆÛÆ Ú©ÙˆØˉÚ© ØˉØ±Ø§ÛÆ
ÛˆØ±Ù•ØªÙ† Ø§ØˆÛÆØ§ ØˉØ§ ØˉØªªâ€ÆÙ‡Ø§ÛÆØˉ ØªÙˆØ³Ø¹Ù‡ ØˉÛÆØˉØªØ±ÛÆ Û...
ÛÆâ€ÆÛÆØ§ØˉØˉ Ûˆ Ø§ØˆØªÙ...Ø§Ù,,Ø§Ùˆ Û...ÛÆâ€ÆØªÙˆØ§Ù†Øˉ Ø§ØˆÛÆØ§ Ø±Ø§ Ø§Ø²
ÛÆÚ© ØˉØ³Øª ØˉÙ‡ ØˉØ³Øª ØˉÛÆÙˆØ± ØˉØˉÙ‡Øˉ. Ø§Ùˆ ØˉÙ‡ Ø²ÙˆØˉÛÆ Û,,Ø§ØˆØ± Ø®ÙˆØ§Ù‡Øˉ
ØˉÙˆØˉ ØˉØ§ Û¼Ø§Ù‡Ø§ Ûˆ ØˉØ³ªâ€ÆÙ‡Ø§ÛÆØˉ Û...Ø§Ù†Ø¹ Ø§ÙˆØªØ§Ù† Ø®ÙˆØˉØˆ ØˉØ±
ØˉØ§Ù,,Øª Û†ØˆØ³ØªÙ‡ ØˉÙˆØˉ. Ø§Ù•Ø²ÙˆØˉÙ† ØˉØ§Ø²ÛÆâ€ÆÙ‡Ø§ÛÆ Ø®Ù,,Ø§Ù,,Ø§Ù†Ù‡ Ûˆ
Ø°Ù‡Ù†ÛÆ ØˉÙ‡ ØˉØ±Ù†Ø§Ù...Ù‡ Ø±ÙˆØ²Ø§Ù†Ù‡ ØˉÙ‡ ØªÙˆØ³Ø¹Ù‡
ØªÙˆØ§Ù†Ø§ÛÆÛÆÙ‡Ø§ÛÆ Û•ÛÆØ²ÛÆÚ©ÛÆ Ûˆ Û...Ø°Ø²ÛÆ Ú©ÙˆØˉÚ© Ú©Ù...Ú© Û...
ÛÆâ€ÆÙ©Ù†Øˉ. Û‡Ø± Ú©ÙˆØˉÚ©ÛÆ Û...Ø³ÛÆØ± Ø®Ø§Øµ Ø®ÙˆØˉØˆ Ø±Ø§ ØˉØ±Ø§ÛÆ
ØªÚ©Ø§Ù...Ù,, ØˆÛÆ Û...ÛÆâ€ÆÙ©Ù†Øˉ. ØˆØªÙ...Ø§Ùˆ ØµØˆØ± Ú©Ù†ÛÆØˉ ØªØ§ Ø²Ù...
Ø§Ù†ÛÆ Û•Ø±Ø§ ØˉØ±Ø³Øˉ Ú©Ù‡ Û•Ø±Ø²Ù†ØˉØªØ§Ù† Û,,ØˆØ±Øª Ûˆ Û...Ù‡Ø§Ø±Øª Û,,Ø§Ø²Ù...
Ø±Ø§ ØˉØ±Ø§ÛÆ ØˉØ§Ø²ÛÆ Ú©Ù‡ ØˉØ±Ø§ÛÆØˉ Ø§Ù†ØªØ®Ø§Øˉ Ú©Ø±ØˉÙ‡â€ÆØ§ÛÆØˉ
Ú©Ø³Øˉ Ú©Ù†Øˉ. ØˆØ± Ø§ØˆØ§Ù...Ù‡ ØˉØ±Ø§ÛÆ ØˆØ±ÙˆØªØÆ Û¼Ù†Øˉ ØˉØ§Ø²ÛÆ
Ù¼ÛÆØˉÙ†Ù‡Ø§Øˉ ØˆØˉÙ‡ Ø§Ø³Øª.

[illegible]

2. $\dot{U} + \dot{U} \neq \dot{U} \cdot \partial^1 \partial \xi \dot{U}$, $\dot{U} \in \partial^a \dot{U} \in \partial \dot{Y}$ $\partial \cdot \partial \xi \partial^2 \dot{U} \in \dot{U} + \dot{U} \in \partial \partial \dot{U}$, $\partial \pm \dot{U} \in \dot{U} \dot{U} \dot{U} \dots \dot{U} + \dot{U} \dot{U} \dot{U} + \dot{U} \dot{U} \dot{U}$
 $\partial \cdot \partial \xi \dot{U} \in \partial \partial \xi \dot{U} \in \dot{U} + \partial \cdot \partial \xi \partial^2 \dot{U} \in \partial \pm \partial \xi \partial \xi \dot{U} + \partial \cdot \partial \xi \dot{U} \dots \partial \cdot \partial \xi \partial \cdot \partial \dot{Y}$ $\dot{U} \cdot \partial \pm \partial^2 \dot{U} + \partial \cdot \partial^a \partial \xi \dot{U} + \partial \pm \partial \xi$
 $\partial^a \partial \cdot \dot{U} \in \dot{U}$, $\dot{U} \in \dot{U} + \dot{U} \in \partial^a \partial \xi \dot{U} + \dot{U} + \partial \cdot \dot{U}$, $\dot{U} \dot{U} \in \partial \pm \partial \xi \partial \pm \dot{U} \in \dot{U} \dot{U} \dots \dot{U}$, $\partial \pm \partial \xi \partial \pm \partial \cdot \dot{U} \dot{U} \dot{U}$
 $\dot{U} \in \dot{U} \in \partial \cdot \partial \pm \partial \cdot \partial \cdot \partial^3 \partial \xi \partial^2 \partial \cdot \partial \xi \dot{U}$, $\partial \cdot \partial^a \dot{U} \pm \partial \xi \partial \cdot \partial^a \dot{U} \dots \partial \xi \dot{U}$, $\partial \xi \dot{U} \in \partial \xi \partial^2 \partial \partial \partial \pm \partial \xi \partial \cdot \dot{U} \in \partial \pm \partial \cdot \dot{U} +$

A stylized illustration of a baby lying on its back, wearing a blue onesie. The baby is holding a large, light-brown drum with a yellow center in its hands. Two yellow rattles are attached to the baby's feet. Three black musical notes are floating above the baby's head. The background is white with a light gray dot pattern.



5. $\dot{U} \vdash \dot{U} \vdash$

[illegible]

Ú©Ø±Ø´Ù‡ Ø§Ø³Ø³ØªØ£ Ø´Ù‡ Ø²Ù´Ø´Ù£ Ù...Ù£â€œØªÙ´Ø§Ù†Ø´ Ø±Ù´Ù£ Ù¼Ø§Ù‡Ø§Ù£Ø´
Ø´Ø§Ù£Ø³ØªØ´ Ù´ Ù´Ø´Øª Ù´ Ù´Ø°Ø§Ø± Ø±Ø§ Ø£Ø°Ø§Ø² Ú©Ù†Ø´. ØªÙ...Ø±Ù£Ù† Ø§Ù£Ù†
Ø´Ø§Ø²Ù£ Ù´ Ù´...Ù‡Ø§Ø±Øª Ø´Ø§Ø¹Ø« ØªÙ,Ù´Ù£Øª Ù,Ø´Ø±Øª Ù...Ø§Ù‡Ù£Ù†Ù‡â€œÙ‡Ø§ Ù´
Ø§Ø¹ØªÙ...Ø§Ø´ Ø´Ù‡ Ù†Ù•Ø³ Ø§Ù´ Ø´Ø±Ø§Ù£ Ø±Ø§Ù‡ Ø±Ù•ØªÙ† Ù...Ù£â€œØ´Ù´Ø´.Ø´Ù‡
Ø£Ø´Ù†Ø§Ù£Ù£ Ø´Ø§ Ù•Ø¹Ø§Ù„Ù£Øªâ€œÙ‡Ø§Ù£ Ú©Ù´Ø´Ú©Ø§Ù† Ø´Ø± Ø³Ù†Ù£Ù†
Ø´Ù£Ù´Ø± Ù†Ù£Ø§Ø² Ø´Ø§Ø±Ù£Ø´Ø´Ø´ Ø´Ø± Ø§Ù£Ù†Ø´Ø´Ø§ (Ù„Ù£Ù†Ú©Ù£ Ù´Ø´Ù´Ø´
Ù†Ø´Ø§Ø±Ø´) Ø´Ø§ Ø§Ù£Ø´Ù‡â€œÙ‡Ø§Ù£ Ø´Ù£Ø´ØªØ±Ù£ Ø´Ø±Ø´Ø§Ø±Ù‡ Ø´Ø§Ø²Ù£
Ú©Ø±Ø´Ù† Ø´Ø§ Ù•Ø±Ø²Ù†Ø´ØªØ§Ù† Ø´Ø± Ø´Ù´Ø±Ù‡ Ù,Ø±Ù†Ø´Ù£Ù†Ù‡ Ú©Ø±Ù´Ù†Ø§
Ø£Ø´Ù†Ø§ Ø´Ù´Ù£Ø´.Ù...Ù†Ø§Ø´Ø¹:Shelov SP & Altmann TR (Eds.). (2009). American Academy of
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Ø´Ø§Ø²Ø´Ù£Ù†Ù£: Ù...Ø§Ø±Ù† 2020