978-1-62354-203-0 ᎠᏍᏓᏯ ᎫᏢᏛᎢ
978-1-62354-204-7 ᏌᎨᎢ ᎪᏪᎵ ᎣᎾᏗᏜ
Ꭲ-ᎪᏪᎵ ᎠᏛᏅᎢᏍᏔᏅᎢ

ᎧᏃᎮᏍᎩ ᎾᏍᎩ ᏗᎪᏪᎵ

Bo ᎩᎵᏴᎢ ᎡᎵ ᎢᏳᏕᏘᏴᏓ ᏧᎾᏗᏅᏗ ᎤᏩᏌ ᏧᏬᏢᏅ ᏗᎦᏓᏲᏍᏗ ᎤᎾᎢ ᎠᏂᏣᎳᎩ

ᎠᏰᎵ ᎤᎾᏕᏘᏱᏍᎬ ᎠᏍᏆᎵᏍᎬᎢ. ᎾᏍᎩ ᎤᏩᏛᎲ ᎧᎵᏬᎯ ᎣᏍᏓ ᎠᏝᏅᏙᏗ ᏂᎦᏛ ᏧᏒᎦᎶᏙᏗ. ᎠᏎᏃ ᎡᎵᏏ ᏂᎦᏪᏍᎬ ᎾᏍᎩ ᏏᏓᏁᎸᎢ ᏄᏅᏅ ᎤᏍᏗ ᎠᏓᏁᎸ ᎤᎪᏗ ᎤᏜᏅᏛ ᏛᎩᏍᏔᏂ ᎤᎾᎢ ᎦᏍᎩᎶᎩ! ᏙᎡᎵ ᎪᎱᏍᏗ ᎦᏲᎵᎨ ᎤᏠᏅᏛ ᏛᎩᏍᏔᎾ ᎠᏎᏃ ᏏZ ᏂᎦᏛ ᏧᏒᎦᎶᏗ ᏗᎦᏓᏲᏍᏗ?

ᎧᏃᎮᏍᎩ ᎾᏍᎩ ᏗᏎᏍᏗ

Bo ᏚᎦᏛᏂᏙᎲ ᎾᏍᎩ ᏗᏎᏍᏗ ᎢᎦᎢ ᎦᏟᏐᏗᎢ, ᎧᎵ ᏄᏍᏛᎢ, ᎠᎴ ᎢᎬᎾᏕᎾ ᎾᎯᏳᎢ ᎠᏠᏯᏍᏗᏍᎬᎢ ᎾᎿᎢ ᎤᎵᏍᎨᏛ ᎤᏂᏚᎲᎢ ᎤᏂᎲ ᏳᎾᏛᏁᎵᏓᏍᏗ. ᎾᏍᎩ ᎠᏧᏣ ᏚᏲᎲᎢ ᏗᎦᎵᏙᏗ ᎾᏍᎩᎾᎢ ᏂᎦᏛ ᏱᏕᎦᏢᎦ ᏧᏤᎵ ᏗᎦᏓᏲᏍᏗ ᎠᎴ ᎦᏲᎵᎨᏍᏗ ᎤᏠᏅᏛ ᏛᎩᏍᏔᏂ ᎦᏍᎩᎶᎩ, ᎠᏧᏣ ᏚᏬᎷᏩᏛᎲ ᎾᏍᎩᎾ ᏗᎦᎸᏙᏗ ᏧᏓᎴᏅᏓ ᏧᏙᏢᎯ ᎾᏍᎩ ᎤᏠᏯ ᎢᎦᎢ ᎨᏒᎢ. ᏧᏬᏰᏂ-ᏗᎬᏗ ᎤᎾᏕᎶᏆᏍᏗ ᎯᎠ ᎤᏠᏱᏉ ᏱᏓᏍᏕᎵ ᏂᎦᏛ ᏗᏂᏲᎵ ᎤᏂᏁᏉᏤᏗ ᏗᏎᏍᏗ ᏧᏂᏏᎾᎯᏍᏗ ᎾᏍᎩᎾ ᎪᏪᎵ ᏧᎾᏕᎶᏆᏍᏗᏱ ᎠᎴ ᏂᏓᏙᏓᏈᏒ ᎠᎾᎴᏂᏙᎲᎢ.

ᏣᏲᎮᏍᏗ ᏓᏜᏅᏓᏗᏍᎬᎢ ᎾᏍᎩᎾ ᏗᏂᏲᎵ ᎨᏍᏕᎸᏗ ᏗᎧᎵᏍᏗ ᎠᎵᏏᏓᏍᏗ ᎦᎵᏔᏅᏙᏗ, ᎠᎵᏍᏓᏴᏗ ᏗᎦᎵᏙᏓ, ᎠᎴ ᏐᎢ ᏗᎦᏢᏔᏅᏙᏗ. ᎡᎵᏊ ᏂᎯ ᏱᎨᎯᏯᏛᏛᎲᎦ ᎾᏍᎩᎾ ᎨᏍᏕᎵᏗᎢ ᎾᏍᎩ ᏔᎵᏁᏃ ᏂᎯ ᎯᏇᏅᏔᏅ ᏭᏘᏴᎢ ᎠᎵᏍᏓᏴᏗ!

Dr. Sharon Nelson-Barber, ᎶᏆᎭᎾᏨᏂᎦ ᏂᏓᏳᏓᎴᏅᎢ
ᎠᏓᏎᎮᎯ, ᎤᏂᎲ ᎢᏳᎾᏛᏁᎵᏓᏍᏗ & ᎦᏬᏂᎯᏍᏗ STEM ᏧᎾᏕᎶᏆᏍᏗ, WestEd

ᎧᏃᎮᏍᎩ ᎾᏍᎩ ᎪᏪᎵ ᎤᏬᏪᎳᏅᎯ

Art Coulson ᎾᏍᎩ ᏣᎳᎩ ᏂᏓᏳᏓᎴᏅᎢ ᎣᎦᎳᎰᎻ ᎠᎴ ᎾᏍᎩ ᎢᎸᏍᎩ ᎪᏪᎵ

ᏧᏬᏪᎳᏅᎯ ᎾᏍᎩ ᏗᏂᏲᏟ ᏧᏂᎪᎵᏰᏗ ᏗᎪᏪᎵ, ᏗᏠᏯᏍᏓ ᎬᎴᏫᏍᏙᏗ ᏂᎨᏒᎾ: ᏰᎵᏃ Jim Thorpe ᎠᎴ ᎾᏍᎩ ᎭᏣᎴᏙ ᎠᏂᏴᏫᏯ ᏧᎾᏕᎶᏆᏍᏗᎢ ᎠᏴᏖᏍᏗ ᏍᏆᏞᏍᏗ ᎠᎳᏍᎦᎸᏗ ᎤᎾᎵᎪᏒ ᏚᏂᏠᏒᎩ ᎠᏂᏯᏫᏍᎩ. ᎾᏍᎩ ᎠᏍᎦᏯ ᎦᏁᎸᎢ

ᎤᎾᏠᏯᏍᏗ ᏚᏓᏘᎿᎥᎢ ᎤᎿᎢ ᎻᏂᎡᏉᎵᏏ, ᎻᏂᏐᏓ. www.artcoulson.com

ᎧᏃᎮᏍᎩ ᎾᏍᎩ ᏗᏟᎶᏍᏗᏍᎩ

Madelyn Goodnight ᎨᏒᎢ ᎠᏂᏥᎩᏌ ᎠᏰᎵ ᎾᏍᎩ ᎡᎯᏯᎢ. ᎾᏍᎩ ᎠᎨᏴ ᎾᎿᎢ ᎣᎦᎳᎰᎻ ᎦᏁᎳ ᎠᎴ ᎾᏍᎩ ᏧᏟᎶᏍᏔᏅᎯ ᎾᏍᎩ ᏗᎦᏛᏗ ᏡᎬᎢ.

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ᏗᏎᏍᏗ ᎢᏗᏛᏁᏗ ᏳᏩᏁᎸ Marlene Kliman, TERC ᏣᏂ ᎫᏫᏍᎫᏫ ᎤᏁᏢᏔᏅᎯ

ᎧᏃᎮᏢᏍᎩ ᏗᏎᏍᏗ ᏗᏂᏲᎵ ᏓᎵᎮᎵᏤᎲᎢ
ᏓᏅᏗᏍᎬ ᏗᏎᏍᏗ ᎾᏍᎩ ᏂᏓᏙᏓᏈᏒ
ᎾᎾᏛᏁᎵᏙᎲ ᎾᏍᎩZ ᏓᎾᏁᎶᎲᏍᎬᎢ,
ᎠᏁᏍᎨᏗ, ᎠᎴ ᎠᏃᎷᏩᏘᏍᎬ ᎾᏍᎩ ᎡᎶᎯ ᎤᎾᏓᏕᏫᏍᏛᎢ. ᎤᎵᎮᎵᏨᎯ ᏗᎧᏃᎮᏢᏍᎩ

ᎠᎴ ᏧᏬᏰᏂ-ᏗᎬᏗ ᎢᏗᏛᏁᏗ ᎾᏍᎩ ᎠᎯᏓ ᎾᏍᎩᎾ ᏗᏂᏲᎵ ᎠᎴ ᏧᎾᏔᎾ-ᎨᏒ ᎾᎢ ᎡᏧᎳᎭᎢ ᎤᏂᎦᏛᏂᏙᎲ ᏧᎩᏨᏅᏓ ᏗᏎᏍᏗ.

www.charlesbridge.com/storytellingmath

ᎧᏃᎮᏢᏍᎩ ᏗᏎᏍᏗ

Ꮒ, ᎡᎵᏏ!

ᎧᎵᏬᎯ ᎣᏍᏓ ᏗᏙᎵᎩ

ᏗᏂᏲᎵ ᎨᎯᏍᏕᎵ ᏗᎦᏟᏐᏗ ᎢᎳᏢ ᏔᎳᏚ ᏧᏓᎴᏅᏓ ᎪᎱᏍᏗ, ᎾᏍᎩᏯ ᎢᏳᏍᏗ ᏧᏍᏗ ᏗᏁᎸᏙᏗ, ᎾᎢ “ᏗᎦᎾᏗᏅᏗ” ᎾᎿᎢ ᎤᏃᏢᏅᏗᎢ ᎤᏍᏗ ᎠᏓᏁᎸ ᎠᏰᎸᏅᎯ. ᎨᎯᏯᏛᏛᎲᎦ ᎾᎢ ᎤᏂᏩᏛᏗ ᎦᎵᏙᏗ ᎾᏍᎩᎾ ᏂᎦᏛ ᏗᎦᎵᏙᏗ ᎾᏍᎩ ᏧᏓᎴᏅᏓ ᎪᎱᏍᏗ ᏄᏦᏎᏛᎾ ᎠᎴ Ꮭ ᎤᏟ ᎢᎦᎢ ᎤᏠᏅᏛ ᏯᎩᏍᏗ ᏏᏃ ᏧᎳᏍᎩ ᏗᎦᏂᏴᏙᏗ.

ᎤᏠᏯ ᏗᎧᏁᏌᎢ, ᏧᏓᎴᏅᏓ ᏧᏙᏢᎯ

ᏗᏂᏲᎵ ᏗᎦᏅᏫᏍᏙᏗ ᏧᏅᏙᏗ ᏗᎧᏁᏌᎢ ᎠᎴ ᏅᎩ ᏧᏅᏏᏯ ᎠᏁᏍᎨᏗ ᎢᏅ ᎢᎦᏘ ᎠᏓᏁᎸᎢ. ᏃᏊ ᎥᏍᎩ ᏫᏓᏅᏓ ᏧᏠᏯ ᏗᎧᏁᏌᎢ ᎠᎴ ᏅᎩ ᏧᏅᏏᏯ ᎪᎱᏍᏗ ᏄᏓᎴᎢ ᎤᏃᏢᏗᎢ. “ᏂᎯᏃ

ᎤᏙᎯᏳ ᎢᎾ ᎢᎦᏘ ᎠᏓᏁᎸᎢ ᎰᏢᎾ! ᎢᏗᎪᏩᏔ ᎢᏳᏃ ᏰᎵ ᎬᏙᏓ ᎾᏍᎩ ᎤᏠᏯ ᏗᎧᏁᏌᎢ ᎾᏍᎩ ᎪᏢᏙᏗ ᏔᎵ-ᎢᎦᏘ ᎠᏓᏁᎸᎢ, ᎤᏠᏱᏉ ᏗᏣᏕᎶᏆᏍᏗᎢ.”

ᎦᏙᎤᏍᏗ ᎤᎪᏓ ᎾᏍᎩ ᏱᏛᏟᏍᏓ?

ᏘᏟᏌ ᏦᎢ ᏧᏑᏩ ᎤᏩᎾᏬᏍᏒ ᎤᎸᏌᏗ ᎪᏢᏔᏅ ᏗᏟᏍᏙᏗ ᎤᏠᏯᏍᏗ ᏧᏓᎴᏅᏓ ᏧᏙᏢᎯ. ᎨᎯᏯᏛᏛᎲᎦ ᏗᏂᏲᎵ: “ᎦᏙᎤᏍᏗ ᎮᎵᎭ ᎠᏎ ᎤᎪᏓ ᎠᎹ ᏴᏟᏍᏓ?” ᎤᏂᎦᏛᏂᏙᎲ ᏳᎵᏍᏙᏗ ᎾᎢ ᎠᎦᏛᏗ ᎢᏳᏍᏗ
ᎠᎾᏓᏅᏖᏍᎬᎢ. ᎾᏍᎩᎾ ᏄᎵᏍᏔᏅᎢ, ᎢᏳᏃ ᏗᏂᏲᎵ ᎢᏚᏂᎧᎵᎳ
ᏗᏟᏍᏙᏓ ᎾᏁᎵᏍᎬᎢ ᎦᏙᎤᏍᏗ ᎾᏍᎩ ᎤᎪᏕᏍᏗ ᏱᏛᏟᏍᏓ,
ᎦᏙᎤᏍᏗ ᏱᏂᎦᎵᏍᏓ ᎾᎯᏳ ᏳᎾᏁᎵᏔᎾ ᎠᎹ ᎤᏂᏟᏍᏙᏗ ᎾᎿᎢ
ᎠᏲᎵᎨᎢ ᎠᏟᏍᏙᏗ?

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ᏗᏎᏍᏗ ᎢᏗᏛᏁᏗ

ᎠᎦᏛᏂᏓᏍᏗ ᎢᎦᎢ ᎦᏟᏌᏅᎢ, ᎧᎵ ᏄᏍᏛᎢ, ᎠᎴ ᎢᎬᎾᏕᎾ ᎤᎵᏠᏯᏍᏕᏍᏗ ᎢᏗᏛᏁᏗ!

Ꮒ, ᎡᎵᏏ!