

Jump Like a Frog



Jump and measure how far you jump on different surfaces using different jumping methods.

What you need

Data sheet

Pencil

Tape measure or other measuring tool

Partner

What to do

1. Find an open surface to do your jumping. (Use surfaces like cement, dirt and wood.)
2. Make a starting line.
3. Estimate how far you think you can jump.
4. Jump as far as you can from the starting line.
5. Measure the length of this jump and record it on the data chart.
6. Continue to jump, but use different jumping styles (standing, from a squat and on one foot) on the different surfaces.
7. Measure the length of each jump using different jumping styles and record on the data chart.

What to ask

- How far do you think you can jump?
- Which jumping style do you think will work the best? Why?
- How did your estimates compare with your actual results?

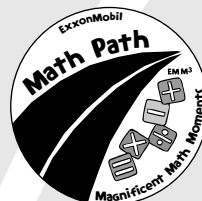


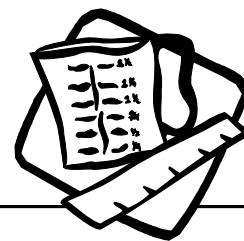
Did you know?

Collecting and analyzing data is used every day to figure out answers to questions by people like scientists, coaches, athletes and business people. Practicing this skill is important for math and science now, and in upper grade levels.



**The Children's
Museum
of Houston**





What's next?

- Try this activity with someone taller or shorter than you. How do you think your results will compare with theirs?

To learn more

Ready, Set, Hop!

by Stuart J. Murphy

This book explains equation building as two frogs count their hops to a rock, a log and a pond.

Measuring Penny

by Loreen Leedy

Lisa has an important homework assignment—to measure something in several different ways. She decides to measure her dog, Penny, and along the way learns a lot about her dog and measuring...and even has fun doing it.

How it helps with school

Texas Prekindergarten Curriculum Guidelines

Measurement, Classification and Data Collection

Texas Essential Knowledge and Skills (TEKS) Standards

Measurement: K.10A; 1.7A; 2.9B

Underlying Processes and Mathematical Tools: K.14A; 1.12A; 2.13A

National Council of Teachers of Mathematics (NCTM) Standards

Measurement, Data Analysis and Probability, Communication, Representation

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Surface	Standing	From a squat	On one foot
Cement			
Wood			
Dirt			

Surface	Standing	From a squat	On one foot
Cement			
Wood			
Dirt			