



Summer Adventure!

Powered by a Ready To Learn Grant

Dinosaur Train Sporting Event

More About Math

Background for Leaders

This unit helps 6-8- year-old children practice important math skills such as number and operations, measurement, data collection and analysis, and spatial skills.

Measureable Attributes

Guide children in exploring length and height in the following ways:

- Compare the length or height of two or more objects
- Order objects by length or height
- Recognize the relationship between height and length—i.e., the longer of two objects is taller
- Use comparative vocabulary (such as **tall**, **taller**, **tallest**) to describe the height of two or three objects

Children should gain practice in measuring and estimating length using nonstandard units like paperclips, Unifix cubes or sheets of paper. They should be able to tell how many paperclips are used to measure the length of a dinosaur from the week's activities. This task requires visual comparison and/or counting on (early addition).

Weight

Children may begin to explore weight by describing the weight of objects as heavy or light in comparison to one another. Introduce them to a **pan balance scale** as a tool for measuring weight. Explain the scale is balanced when both sides hold the same amount of weight. When the scale is unbalanced, children should be able to determine which side is heavier, and should practice adding or subtracting items to balance the scale. Encourage children to use math vocabulary such as **more weight**, **less weight**, **balanced** and **level**.

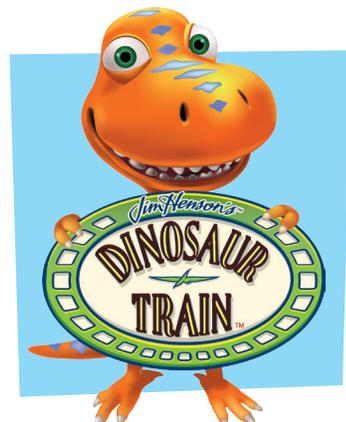


Distance

Children this age can explore distance by comparing distances between two or more objects. Prompt them to use terms **close**, **closer** and **closest**; **far**, **farther** and **farthest**; and **in between** to describe location. They should be able to recognize when something is the **second closest** or the **second farthest**. Children should also gain practice in using nonstandard units to measure from various points in one direction. As with measuring length, this task requires visual comparison and/or counting on (early addition).

Capacity

Children ages 4 to 5 can begin to explore capacity in a limited way. They should be able to determine which of two or three containers holds more, and should be given practice using comparative vocabulary such as **some**, **more**, **most**, **less** and **least**.



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