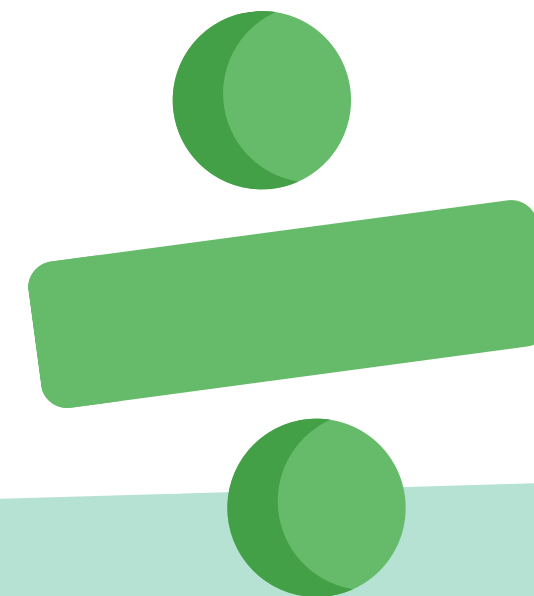
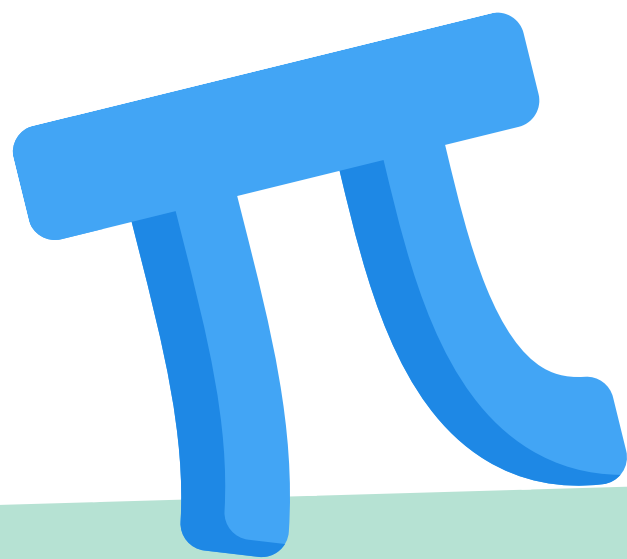
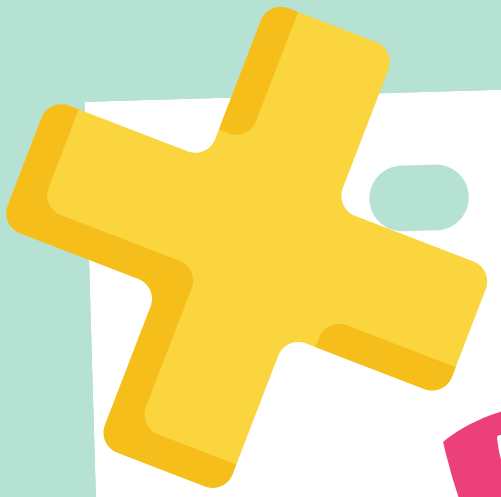




Kindergarten

Math Curriculum





Patterns and Classification

- Establish concepts of likeness and difference by sorting and classifying objects according to various attributes: size, shape, color, amount, function, etc.
 - Define a set by the common property of its elements.
 - In a collection of objects that includes a given set and an item that does not belong, indicate which item does not belong.
 - Moving from concrete objects to pictorial representations, recognize patterns and predict the extension of a pattern.
 - Extend a sequence of ordered concrete objects.
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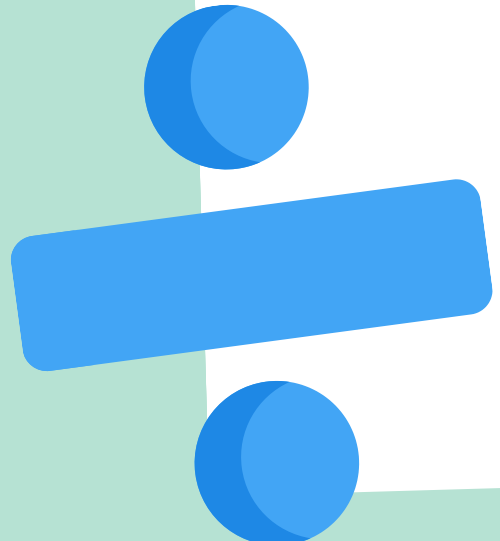


Numbers

- Using concrete objects and pictorial representations, compare sets: same as (equal to), more than, less than, most, least
 - Count forward from 1 to 31, first beginning with 1, and later from any given number backward from 10 from 1 to 10 by twos by fives and tens to 50
 - Write numbers 1 to 31 (with special attention to the difference between certain written symbols, such as 6 and 9; 2 and 5; 1 and 7; 12 and 21, etc.).
 - Count and write the number of objects in a set.
 - Given a number, identify one more, one less.
 - Identify ordinal position, first (1st) through sixth (6th).
 - Identify pairs.
 - Interpret simple pictorial graphs.
 - Identify $\frac{1}{2}$ as one of two equal parts of a region or object; find $\frac{1}{2}$ of a set of concrete objects.
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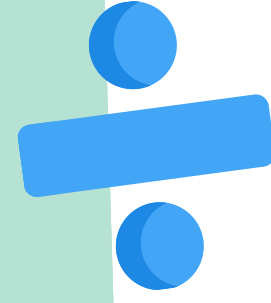


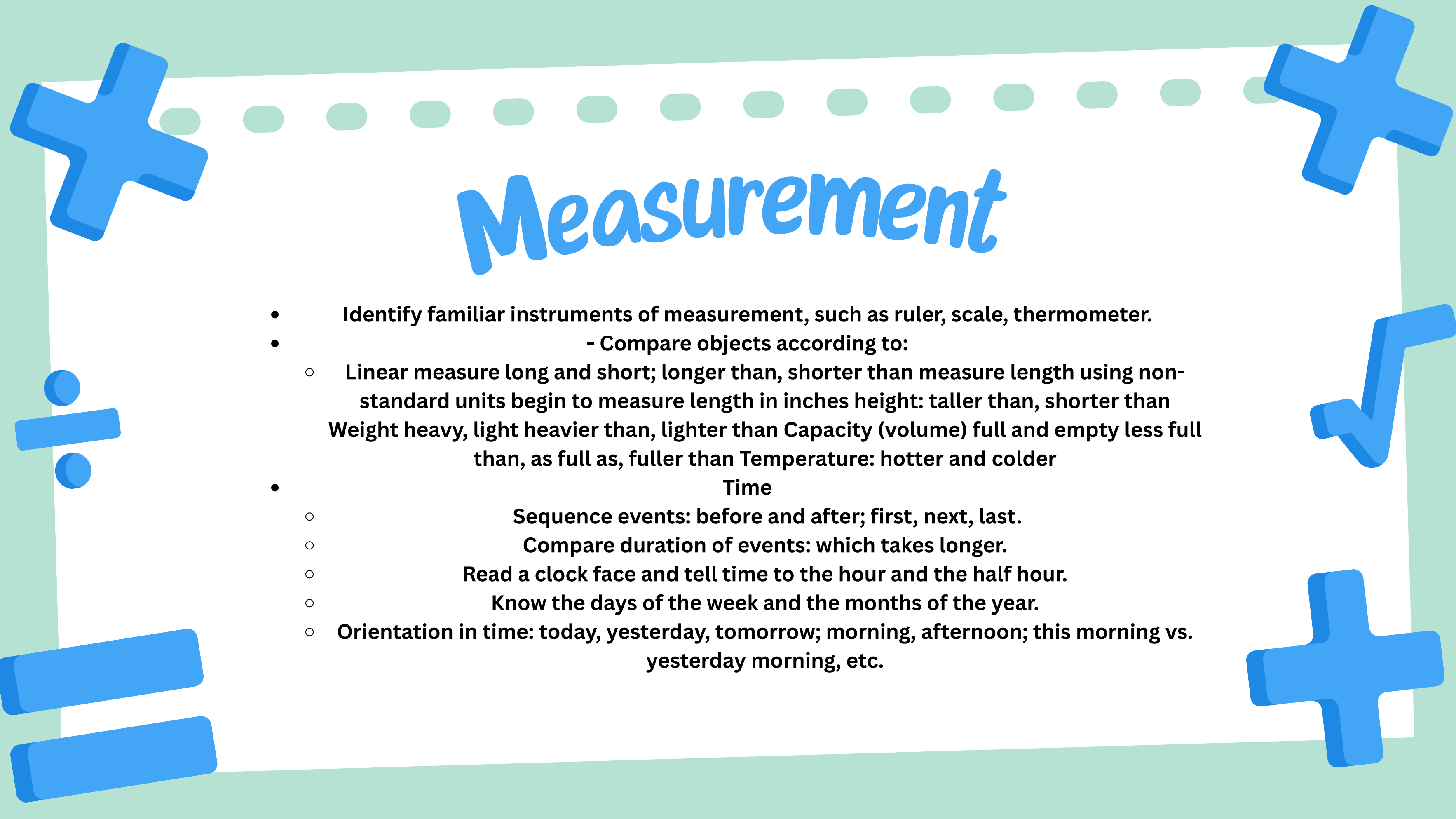
Money

- Identify pennies, nickels, dimes, and quarters.-
 - Identify the one-dollar bill.
 - Identify the dollar sign (\$) and cents sign (¢).
 - Write money amounts using the cents sign (¢).
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Computation

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- Add and subtract to ten, using concrete objects.
 - Recognize the meaning of the plus sign (+).
 - Subtraction: the concept of “taking away”; recognize the meaning of the minus sign (-).
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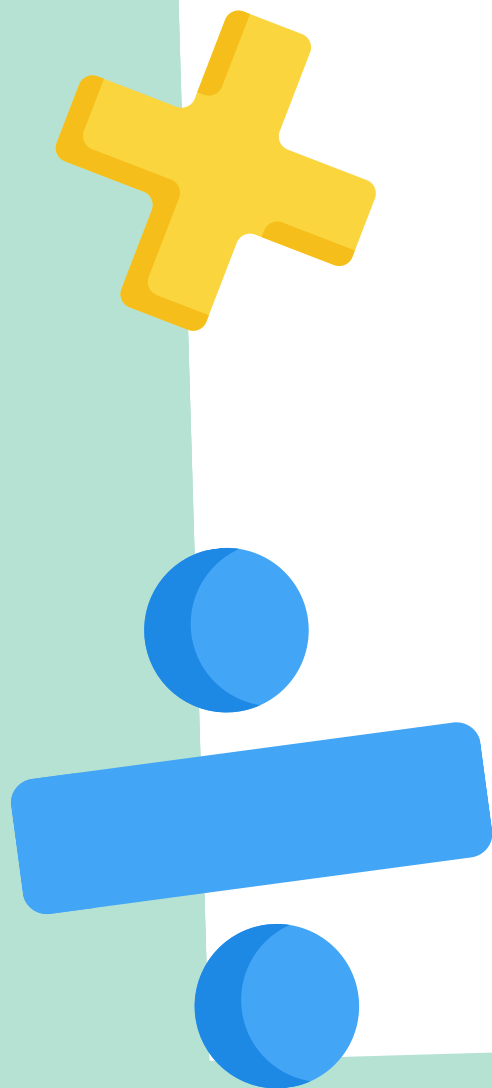
Measurement

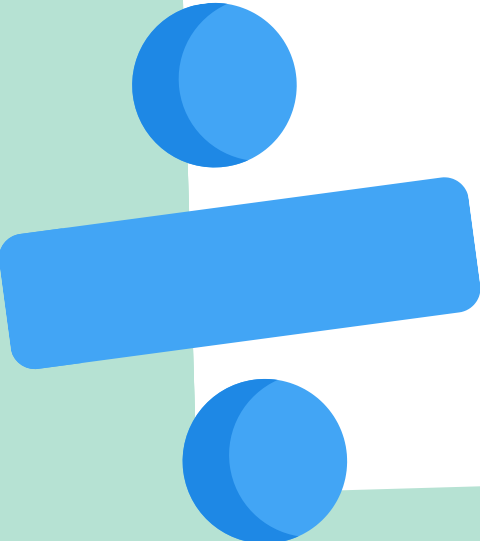
- Identify familiar instruments of measurement, such as ruler, scale, thermometer.
- - Compare objects according to:
 - Linear measure long and short; longer than, shorter than measure length using non-standard units begin to measure length in inches height: taller than, shorter than Weight heavy, light heavier than, lighter than Capacity (volume) full and empty less full than, as full as, fuller than Temperature: hotter and colder
- Time
 - Sequence events: before and after; first, next, last.
 - Compare duration of events: which takes longer.
 - Read a clock face and tell time to the hour and the half hour.
 - Know the days of the week and the months of the year.
 - Orientation in time: today, yesterday, tomorrow; morning, afternoon; this morning vs. yesterday morning, etc.



Geometry

- Identify left and right hand.
- Identify top, bottom, middle.
- Know and use terms of orientation and relative position, such as:
 - closed, open
 - on, under, over
 - in front, in back (behind)
 - between, in the middle of
 - next to, beside
 - inside, outside
 - around
 - far from, near
 - above, below
 - to the right of, to the left of
 - here, there





Geometry

- Identify and sort basic plane figures: square, rectangle, triangle, circle. Identifying geometric solids: rectangular prism, pyramid, cylinder, sphere.
- Identify basic shapes in a variety of common objects and artifacts (windows, pictures, books, buildings, cars, etc.).
- Recognize shapes as the same or different.
- Make congruent shapes and designs.
- Compare size of basic plane figures (larger, smaller).