

S U M M A R I E S

INVESTIGATION 1: Ruler and Meter Stick

In Investigation One, you explored how to measure with a ruler and a meter stick. During this Investigation, you:

1. used a ruler to measure things.
2. used a meter stick to measure things.
3. measured one of a friend's hands.
4. measured both of a friend's hands.

Through these experiments, you concluded that:

1. rulers and meter sticks measure length, width, and height in centimeters (cm).
2. to measure with a ruler or meter stick, the 0 cm mark lines up with one end of the object.
3. small things can be measured more easily with a ruler.
4. larger things can be measured more easily with a meter stick.

INVESTIGATION 2: Beakers and Pitchers

In Investigation Two, you explored how to measure with beakers. During this Investigation, you:

1. poured 200 ml of water into a beaker.
2. used a beaker to measure the volume of water.
3. added water to oil in a beaker.
4. added metal cubes to water in a beaker.

Through these experiments, you concluded that:

1. beakers measure volume in milliliters (ml).
2. the numbers on the side of the beaker tell you how much is in the beaker.
3. if more of something is added to a beaker, the beaker will contain more volume.

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INVESTIGATION 3: Pan Balance and Gram Cubes

In Investigation Three, you explored how to measure weight using a pan balance. During this Investigation, you:

1. compared the weight of the small bear and medium bear.
2. measured the weight of the small bear and the medium bear.
3. compared the weight of the medium bear and the tube.
4. measured the weight of the tube.

Through these experiments, you concluded that:

1. using a pan balance and gram cubes helps you find the weight of an object in grams.
2. the medium bear is heavier than the small bear and the tube.
3. the small bear is lighter than the medium bear and the tube.
4. objects that are bigger are not always heavier.