

Science

How can we measure the size of forces?

Follow the link to watch the lesson on Oak National Academy (<https://classroom.thenational.academy/lessons/how-can-we-measure-the-size-of-forces-c4vkcr>) and complete the tasks when directed to do so.

Task one

When directed to do so, watch this video clip about Isaac Newton:
https://www.youtube.com/watch?v=2ydh7AShMzM&feature=emb_title

Task two

When directed to do so, watch this video clip about weight and mass:
https://www.youtube.com/watch?v=8fnHALYVRUo&feature=emb_logo

Task three

What is the difference between mass and weight? What are they each measured in?

Task four

Label the photo of this Newton meter. Use the sentence starts on the screen to help you.



Task five

Write down how much force has been measured on each of the Newton meters below:







Task six

How do we measure the weight of an object with a Newton meter?

Task seven

| Item | Newtons (N) | Grams (g) |
|------|-------------|-----------|
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Can we make any generalisations based on our data?