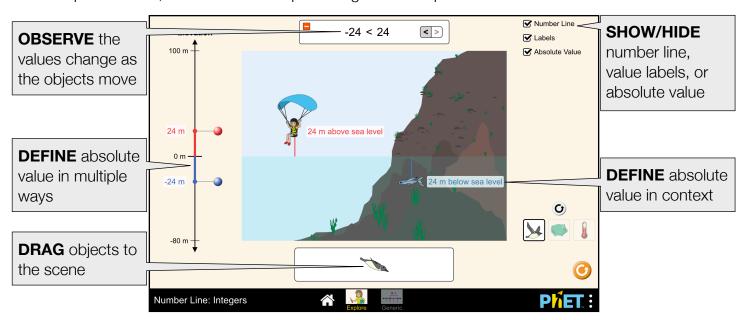


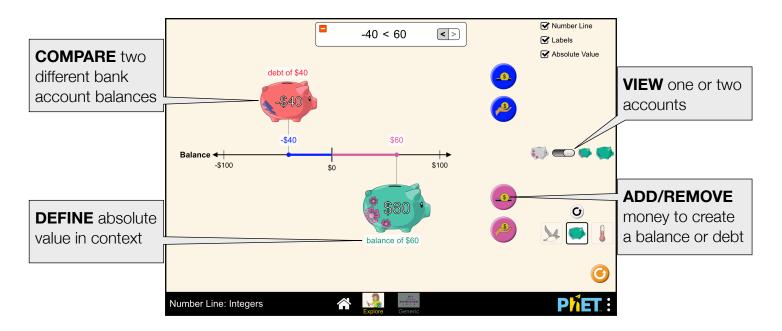
Number Line: Integers

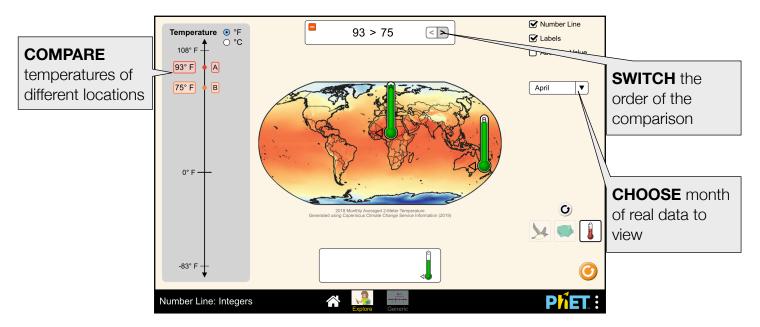
In **Number Line: Integers**, students can explore multiple contexts that lend themselves to integer comparisons on a number line. After students explore altitude, bank accounts, and temperature, they can generalize about comparing integers and define absolute value.

Explore Screen

In the Explore screen, students can compare integers in multiple contexts.

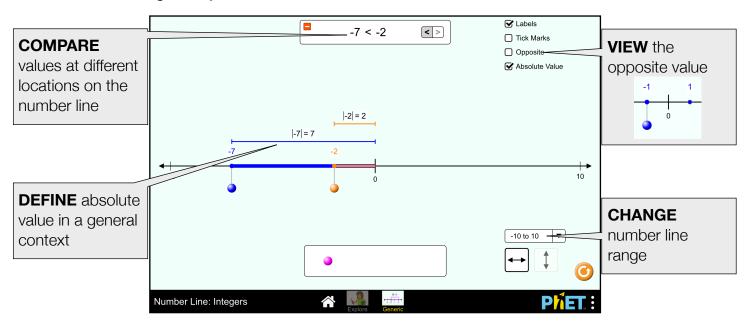






Generic Screen

In the Generic screen, students can compare integers generally, on different scales, and begin to define absolute value more generally.



Suggestions for Use

- Use the Explore screen as an introduction to negative numbers, and later the Generic screen to reinforce the idea of opposites.
- Use both screens as an introduction to absolute value. Challenge students to come up with their definition of what they think "absolute value" means after playing with the simulation. Combine student ideas to come up with a classroom definition.

Customization Options

?defaultCelsius - starts the simulation with celsius as the default selection for temperature units.

See all published activities for Number Line: Integers here. For more tips on using PhET sims with your students, see Tips for Using PhET.