

# Compound Inequalities on the Number Line Demos Activity

## Description

In this activity, students explore compound inequalities and make connections among multiple representations (including algebraic expressions, verbal statements, number line graphs, and solution sets).

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## Prep Work

Review the teacher guide for this activity.

Start a session of the activity.

<https://teacher.desmos.com/activitybuilder/custom/57b7f808ce9904f705558c4e>

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## Instructions

- **Pre Activity**

Have students go to [student.desmos.com](https://student.desmos.com) and create an account or sign in.

- **Activity**

Have each student work through the activity. Be aware some students may get stuck on some screens so move around and answer questions as needed.

- **Post Activity**

Review a few of the screens with the class using the teacher login.

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## Time Required

30-45 minutes

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