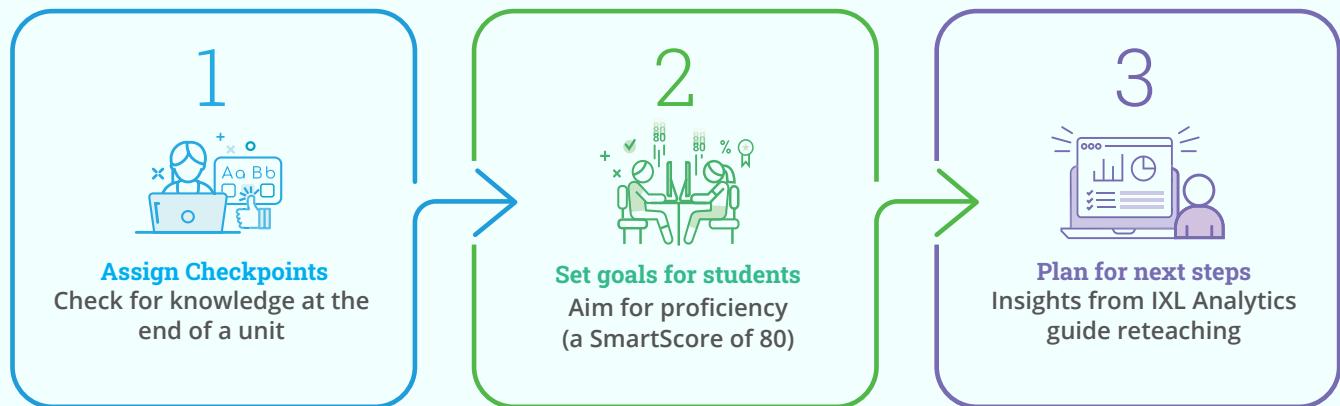


IXL for Unit Assessment

Steps to Successful Implementation

IXL's Checkpoints (available for 6th, 7th, and 8th grade math; Algebra 1; and Geometry) are a powerful assessment tool to assess student proficiency across multiple skills and standards.



Let's take a closer look at how Checkpoints can be used for unit assessment

1 Assign Checkpoints

Throughout the year, wrap up each unit by assigning relevant checkpoint skills to students.

Find Checkpoints on the Grades page or in your textbook or state standards skill plan.

- ★ 10 Volume of cylinders
- ★ 11 Volume of cones
- ★ 12 Surface area of cylinders
- ★ 13 Surface area of cones
- ★ 14 Volume of spheres
- ★ 15 Surface area of spheres
- ★ 16 Volume and surface area of similar solids
- ★ 17 Perimeter and area: changes in scale

★ 🌟 Checkpoint: volume

Assign the skill to students by clicking the star.

2 Set goals for students

Checkpoints require higher-order thinking

Built with rigor in mind, each Checkpoint challenges students to strategically apply knowledge from multiple concepts. If students demonstrate gaps in knowledge, IXL provides the exact foundational skills that will close them.

Paula measured a cone with a radius of 4 centimeters and a height of 12 centimeters. What is the volume of the cone?

Use $\pi \approx 3.14$ and round your answer to the nearest whole number.

cubic centimeters

Then, Paula measured a sphere with the same radius as the cone, 4 centimeters. What is the ratio of the cone's volume to the sphere's volume?

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{3}{4}$

$\frac{4}{3}$

Submit



Have students aim for proficiency

Ask learners to try and reach proficiency (a SmartScore of 80), or to answer at least 10 questions in each checkpoint skill. This will provide enough data for IXL to give you an accurate measure of their understanding of the standards covered by the skill.

- Students can aim for mastery (a SmartScore of 100) if they are ready for an extra challenge.
- Alternatively, they can pause and work on the foundational skills recommended to them.

Work it out

These skills can help for questions like this:

Volume of cones

Volume of spheres

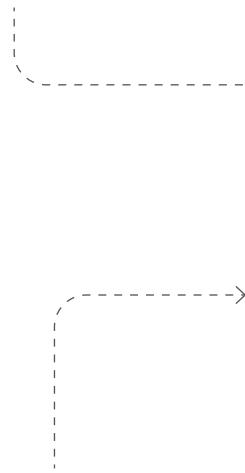


When students answer a question incorrectly, IXL pinpoints the underlying foundational skills that will close their knowledge gaps.



3 Plan for next steps

Visit the Skill Analysis report to see which students have achieved proficiency in the checkpoint skills.



Open the “Reset this checkpoint” menu to reset SmartScores on Checkpoints to 0, then reassign them to help your students review before end-of-year tests

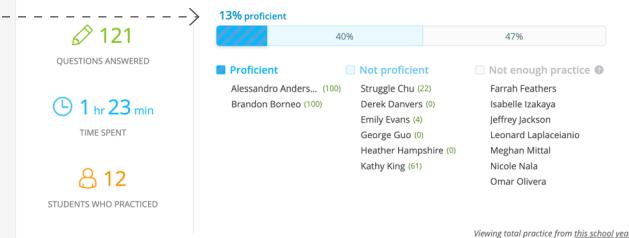


SKILL ANALYSIS

SKILL: 8th (T.) New! Checkpoint: Volume

STANDARDS: 8.8.G.9 Includes concepts from 3 foundational skills: 

Skill overview - This school year



Gaps in foundational skills to review

4 students would benefit from reviewing this foundational skill

Foundational skill: **Volume of cylinders** 9F3 

MISSSED QUESTIONS FROM THIS FOUNDATIONAL SKILL

A cylinder has a volume of 169.56 cubic millimeters and a height of 6 millimeters. What is its radius?

Use $\pi \approx 3.14$ and round your answer to the nearest whole number.

millimeters

STUDENTS STUCK ON THIS FOUNDATIONAL SKILL

George Guo, Heather Hampshire, Isabelle Izakaya, Jeffrey Jackson

3 students would benefit from reviewing this foundational skill

Foundational skill: **Volume of cones** 9F4 

Get insight on which foundational skills students need help with most. Use the groupings provided to plan for small-group reteaching.