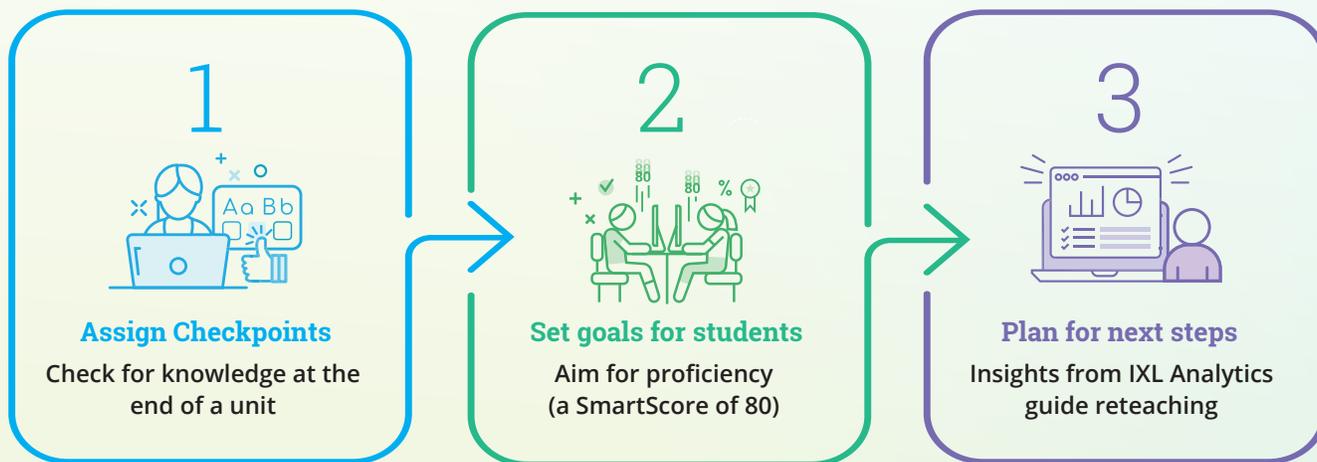




## STEPS TO SUCCESSFUL IMPLEMENTATION

IXL's Checkpoints (available for 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 Checkpoints to students.

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

*Assign the skill to students by clicking the star.*

- ★ 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**



## 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?

$\frac{1}{3}$

$\frac{1}{4}$

$\frac{3}{4}$

$\frac{4}{3}$

**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. 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

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

**Gaps in foundational skills to review**  
4 students would benefit from reviewing this foundational skill

Foundational skill: Volume of cylinders 9F3

MISSED 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 7YM

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

**SKILL ANALYSIS**

SKILL: 8th (F.) New! Checkpoint: Integer exponents

Includes concepts from 4 foundational skills

Skill overview - This school year

24% proficient 31% 45%

160 QUESTIONS ANSWERED  
1 hr 0 min TIME SPENT  
16 STUDENTS WHO PRACTICED

Proficient	Not proficient	Not enough practice
Sharon Bass (91)	Laura Brady (76)	Alexis Chan
Sonia Chang (87)	Lucy Branch (50)	Kathleen Dalton
Craig Garza (100)	Bryce Carlson (4)	Stanley Gregory
Darryl Jackson (100)	Katie Cho (76)	Irene Hardin
Mia Molina (87)	Victor Heath (71)	Sierra Herrera
Alec Soto (81)	Diego Hoffman (58)	Violet Hutchinson
Arya Williams (100)	Preston McDonald (50)	Myron Liu
	Warren Salinas (55)	Sophie McDowell
	Jayden Young (71)	John Patrick Michaels
		Jessica Moore
		Robin Norris
		Kim Perkins
		Jason Richard

Reset this checkpoint

Showing total practice from this school year.

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.

