

Algebra 1 Summer IXL Review

Welcome to Algebra 1! This summer review will review key skills for Algebra 1. If you have already completed the skill then move to the next skill.

Directions

- Complete all 16 skills below.
 - Reach at least a **SmartScore of 80** on each skill.
 - Work throughout the summer rather than all at once.
 - Suggested pace: 2 skills per week.
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Expressions & Equations

1. **8.EE.1 – Integer Exponents C.8**
[Understanding exponents](#)
 2. **8.EE.1 – Properties of Exponents C.13**
[Evaluate expressions using properties of exponents](#)
 3. **8.EE.2 – Square Roots and Cube Roots E.11**
[Square roots and cube roots](#)
 4. **8.EE.3 – Scientific Notation D.1**
[Scientific notation](#)
 5. **8.EE.4 – Compare Numbers in Scientific Notation D.3**
[Compare numbers written in scientific notation](#)
 6. **8.EE.5 – Graph Proportional Relationships X.5**
[Graph proportional relationships](#)
 7. **8.EE.6 – Find Slope Z.1**
[Find slope from graphs and tables](#)
 8. **8.EE.7 – Solve Linear Equations M.9**
[Solve two-step equations: complete the solution](#)
 9. **8.EE.8 – Systems of Equations GG.2**
[Solve systems of linear equations by graphing](#)
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Functions

10. **8.F.1 – Identify Functions BB.1**
[Identify functions](#)
 11. **8.F.2 – Evaluate Functions DD.4**
[Evaluate functions](#)
 12. **8.F.3 – Interpret Graphs of Functions CC.4**
[Interpret graphs of functions](#)
 13. **8.F.4 – Construct Linear Functions CC.8**
[Construct functions](#)
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Geometry

14. **8.G.7 – Pythagorean Theorem T.3**
[Pythagorean theorem](#)
 15. **8.G.8 – Distance Between Two Points O.4**
[Distance between two points](#)
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Number Sense

16. **8.NS.1 & 8.NS.2 – Rational and Irrational Numbers F.6 / Estimate Square Roots E.4**
[Rational and irrational numbers](#)
[Estimate square roots](#)
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Good luck, and have a great summer!
See you in Algebra 1!

Please do not pay too much attention to the letter of each skill as IXL updates them over the summer. Use the links to take you directly to the assignment.