

Incoming Pre-Algebra Students (Grade level 8th grade math) Mrs. Snow

All of the objectives are from the 7th Grade IXL.COM

MANY of these objectives were completed during the school year. If you have previously worked on the objective before, then a Smart Score of 87% must be achieved. If it is a new objective, you can stop at 85%.

7th Grade IXL.COM

Number theory

A.3 Multiplicative inverses

A.5 Greatest common factor

A.6 Least common multiple

A.8 Scientific notation

Operations with integers

C.3 Add and subtract integers

C.7 Multiply and divide integers

Operations with fractions

G.1 Add and subtract fractions

G.3 Add and subtract mixed numbers

G.7 Multiply fractions and whole numbers

G.9 Multiply fractions

G.10 Multiply mixed numbers

G.12 Divide fractions

G.13 Divide mixed numbers

Rational numbers

H.3 Absolute value of rational numbers

H.4 Compare rational numbers

H.6 Add and subtract rational numbers

H.8 Multiply and divide rational numbers

Exponents and square roots

I.1 Understanding exponents

I.2 Evaluate exponents

I.4 Exponents with negative bases

I.9 Square roots of perfect squares

I.10 Estimate square roots

Ratios, rates, and proportions

J.1 Understanding ratios

J.8 Do the ratios form a proportion?

J.9 Do the ratios form a proportion: word problems

J.10 Solve proportions

Percents

L.2 Convert between percents, fractions, and decimals

L.5 Percents of numbers and money amounts

Expressions and properties

R.9 Properties of addition and multiplication

R.10 Multiply using the distributive property

R.13 Add and subtract like terms

One-variable equations

S.1 Which x satisfies an equation?

S.5 Solve one-step equations

S.6 Solve two-step equations

S.8 Solve equations involving like terms

One-variable inequalities

T.2 Graph inequalities on number lines

T.3 Write inequalities from number lines

T.4 Solve one-step inequalities

T.5 Graph solutions to one-step inequalities

T.6 Solve two-step inequalities

T.7 Graph solutions to two-step inequalities

Two-variable equations

U.5 Complete a table for a two-variable relationship

U.6 Write a two-variable equation

Linear functions

V.1 Find the slope from a graph

V.2 Find the slope from two points

Two-dimensional figures

W.1 Identify and classify polygons

W.2 Name, measure, and classify angles

W.3 Classify triangles

W.4 Identify trapezoids

W.5 Classify quadrilaterals

W.6 Graph triangles and quadrilaterals

W.7 Find missing angles in triangles

W.8 Find missing angles in quadrilaterals

W.10 Lines, line segments, and rays

W.11 Parallel, perpendicular, and intersecting lines

W.12 Identify complementary, supplementary, vertical, adjacent, and

W.13 Find measures of complementary, supplementary, vertical, and

W.14 Transversal of parallel lines

W.16 Parts of a circle

Three-dimensional figures

Z.1 Bases of three-dimensional figures

Z.2 Nets of three-dimensional figures

Z.3 Front, side, and top view

Geometric measurement

AA.1 Perimeter

AA.2 Area of rectangles and parallelograms

AA.3 Area of triangles and trapezoids

AA.4 Area and perimeter: word problems

AA.5 Circles: calculate area, circumference, radius, and diameter

Probability

DD.1 Probability of simple events

DD.2 Probability of opposite, mutually exclusive, and overlapping events

DD.3 Experimental probability

DD.4 Make predictions

DD.5 Compound events: find the number of outcomes