

**Rising 8<sup>th</sup> Grade: ixl.com (log in, select 7th Grade, Math):**

Complete the skills listed below, Skills are completed when:

- You get a SmartScore of at least 70
- OR you spend 10 minutes on a skill and get a SmartScore of at least 50
- OR Spend 15 Active Minutes on the skill

A.8 Sort factors of numerical expressions

A.9 Classify numbers

B.3 Absolute value and opposite integers

C.8 Evaluate numerical expressions involving integers

D.5 Identify rational and irrational numbers

D.6 Absolute value of rational numbers

E.1 Reciprocals and multiplicative inverses

E.2 Add and subtract rational numbers

F.15 Square roots of perfect squares

F•New! Estimate positive square roots

F.16 Positive and negative square roots

G.2 Compare numbers written in scientific notation

H.8 Do the ratios form a proportion?

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

H.10 Solve proportions

J.3 Find what percent one number is of another

J.4 Find what percent one number is of another: word problems

J.5 Percent of a number: tax, discount, and more

J.6 Find the percent: tax, discount, and more

J.7 Sale prices: find the original price

L.1 Convert rates and measurements: customary units

L.2 Convert rates and measurements: metric units

L.4 Convert between customary and metric systems

O.14 Find measures of complementary, supplementary, vertical, and adjacent angles

O.15 Identify alternate interior and alternate exterior angles

O.16 Transversals of parallel lines: name angle pairs

Q.1 Similar and congruent figures

R.1 Pythagorean theorem: find the length of the hypotenuse

R.2 Pythagorean theorem: find the missing leg length

T.5 Area and circumference of circles

T.10 Volume of cylinders

T.11 Volume of cones

T.12 Surface area of cylinders

T.13 Surface area of cones

W.7 Solve one-step equations

W.8 Solve two-step equations

Y.1 Find the slope of a graph

Y.2 Find the slope from two points

Y.4 Slope-intercept form: find the slope and y-intercept

Y.5 Graph a line using slope