

7th grade online resources:

7th Grade Standard 1 Number Sense

Scientific Notation

Explanations http://www.aaamath.com/B/g6_71fx1.htm

Writing large numbers <http://www.xpmath.com/forums/arcade.php?do=play&gameid=21>

Millionaire game <http://www.kidsmathTV.com/free/scientific-notation-game-for-5th-grade-millionaire-game/>

Writing numbers into scientific notation <https://www.quia.com/quiz/382466.html>

Ordering

Ordering two numbers <http://www.webmath.com/k8numlinecomp.html>

Classifying Numbers

#1 http://www.softschools.com/math/classifying_numbers/real_rational_integer_whole_natural_irrational_number_table/

#2 <http://staff.argyll.epsb.ca/jreed/math9/strand1/munchers.htm>

#3 <https://www.ixl.com/math/grade-8/classify-numbers>

Exponents

Basic computation with exponents <https://www.quia.com/ba/1000.html>

Exponent Rules Explained and Review

<https://sites.google.com/a/wcr7.org/integrated-1/home/exponents-unit/w2>

Prime factorization

Online Practice: <http://www.math-play.com/prime-factorization-game.html>

Explained and Multiple Choice http://amby.com/educate/math/2-1_fact.html

Square Roots

Estimating Square Roots [ps://www.ixl.com/math/grade-7/estimate-square-roots](https://www.ixl.com/math/grade-7/estimate-square-roots)

Simplifying Square Roots <https://www.ixl.com/math/algebra-1/simplify-radical-expressions>

Converting fractions to decimals to percents

<http://www.quia.com/cb/34887.html>

<http://www.mathplayground.com/Decention/Decention.html>

7th Grade Standard 2 Computation

Integers

Explained http://www.mathgoodies.com/lessons/vol5/intro_integers.html

Practice Site <http://www.math-play.com/integer-games.html>

Practice Site <http://www.mathnook.com/math/skill/integergames.php>

Percent Change Explained

http://www.classzone.com/books/math_shared/math3/eTutorial/site/lessonmenu.htm?chapter=7&lesson=5

Percent change practice <https://www.quia.com/rr/230204.html>

Consumer Math

<http://www.funbrain.com/penguin/>

<http://www.aaamath.com/mny.html>

<http://senseanddollars.thinkport.org/games/home.html>

Computation practice focus on fraction and decimal computation

<http://www.aaaknow.com/grade6.htm#topic69>

7th Grade Standard 3 Algebra

Translating <http://www.quia.com/jg/319817.html>

Combining like terms

http://www.bbc.co.uk/schools/ks3bitesize/maths/algebra/formulae_1_intro.shtml

Solving Equations

Order of Operations http://www.aplusmath.com/cgi-bin/Flashcards/Order_Of_Operations

One Step Equations <http://www.quia.com/ba/51259.html>

Multi-step Equations <https://www.ixl.com/math/grade-8/solve-multi-step-equations>

Word Problem Practice <https://braingenie.ck12.org/skills/105348>

Slope

Interactive Notes <http://math.uww.edu/faculty/mcfarlat/slopesj.htm>

Online Game http://hotmath.com/hotmath_help/games/kp/kp_hotmath_sound.swf

Slope from Graphs <https://www.quia.com/rr/79713.html>

Graphing

Point and a slope <https://www.ixl.com/math/grade-8/graph-a-line-using-slope>

7th Grade Standard 4 Geometry/Measurement

Graphing with transformations

Reflections <https://www.ixl.com/math/geometry/reflections-graph-the-image>

Rotations www.ixl.com/math/geometry/rotations-graph-the-image

Translations <https://www.ixl.com/math/grade-7/translations-find-the-coordinates>

Review <http://www.shodor.org/interactivate/activities/TransmographerTwo/>

Pythagorean theorem

Explained

http://www.classzone.com/books/math_shared/math3/eTutorial/site/lessonmenu.htm?chapter=9&lesson=3

Practice

<https://www.ixl.com/math/grade-8/pythagorean-theorem-find-the-length-of-the-hypotenuse>

Applications

<http://www.math-play.com/Pythagorean-Theorem-Game.html>

Congruent/similar

www.ixl.com/math/grade-7/similar-and-congruent-figures

<https://www.ixl.com/math/grade-8/similar-and-congruent-figures>

<https://www.ixl.com/math/geometry/congruence-statements-and-corresponding-parts>

Nets

Explained <http://mathematics.hellam.net/nets.html>

Game https://www.mangahigh.com/en-us/math_games/shape/3d_shapes/nets

Identifying <http://www.turtlediary.com/game/nets-of-3d-shapes.html>

Similarity

Explained

http://www.classzone.com/books/math_shared/math3/eTutorial/site/lessonmenu.htm?chapter=8&lesson=8

Perimeter and Area

Area of Irregular shapes

<https://www.studyladder.com/games/activity/area-of-irregular-shapes-13136>

Perimeter of Irregular shapes

<https://www.studyladder.com/games/activity/perimeter-of-irregular-shapes-21616>

Volume

<http://www.regentsprep.org/regents/math/algebra/as2/pracsol.htm>

Word Problems

https://www.khanacademy.org/math/pre-algebra/measurement/volume-introduction-rectangular/e/volume_2

Surface area

<http://www.aaastudy.com/geo.htm>

Explained and Practice Surface Area

<https://www.brainingcamp.com/legacy/content/concepts/surface-area/>

7th Grade Standard 5 Data Analysis/Probability

Collecting and organizing data

<http://www.bbc.co.uk/education/mathsfile/shockwave/games/train.html>

go to Galaxy Hunters: <http://amazing-space.stsci.edu/resources/explorations/index.shtml>

misleading data: <http://faculty.washington.edu/chudler/stat3.html>

Reading Graphs http://www.mathgoodies.com/lessons/graphs/practice_unit11.html

Interpreting Graphs:

<https://www.ixl.com/math/algebra-1/interpret-bar-graphs-line-graphs-and-histograms>

Analyzing Data Graphs <https://www.quia.com/quiz/760453.html>

Probability;

Simple:

https://www-k6.thinkcentral.com/content/hsp/math/hspmath/ca/common/itools_int_9780153616334/_probability.html

Fundamental Counting Principle

<http://www.regentsprep.org/regents/math/algebra/apr1/pracnt.htm>

Fundamental Counting Principle Word Problems

<https://www.ixl.com/math/grade-7/counting-principle>

Tree Diagrams

<http://www.regentsprep.org/regents/math/algebra/apr4/practre.htm>