

Resources for Math Teachers

Kindergarten-12 Student Resources/Teacher Resources/Formative Assessments and Tutorials
(Lessons provided vetted by Florida Educators)

<https://www.cpalms.org/Public/ToolkitGradeLevelGroup/Toolkit?id=5>

<https://www.cpalms.org/Public/search/Resource#>

Multiplication Teaching

<https://www.prodigygame.com/blog/how-to-teach-multiplication/>

<https://www.youtube.com/watch?v=El2qZC1vUGk> (video and explanation)

<https://www.weareteachers.com/22-fun-hands-on-ways-to-teach-multiplication/>

<https://www.multiplication.com/teach/teach-the-times-tables> (includes video)

<https://beneylu.com/pssst/en/10-tips-to-teach-multiplication-to-elementary-level-children/>

Long Division Teaching Videos, Articles, Problems

https://www.youtube.com/watch?v=mU_9y_MoYLA

<https://www.youtube.com/watch?v=jTbIw2iR8WU>

<https://www.youtube.com/watch?v=pyllkQK4yH8>

https://www.homeschoolmath.net/teaching/md/how_teach_long_division.php

<https://www.weareteachers.com/going-beyond-long-division-steps/>

<http://kateshomeschoolmath.com/1686-2/>

Decimals

<https://www.youtube.com/watch?v=MHjVeOUe3us> (Video Adding)

<https://www.mathsisfun.com/adding-decimals.html> (Adding and Subtracting)

<http://www.math.com/school/subject1/lessons/S1U1L4GL.html> (Adding and Subtracting)

<https://www.khanacademy.org/math/arithmetic/arith-decimals/arith-review-add-decimals/v/adding-decimals-example-1> (Adding Video and Explanation)

<https://www.youtube.com/watch?v=nmaUyeKpwSM> (Adding)

<https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-operations-with-decimals/v/multiplying-decimals> (Multiplying and Dividing)

http://www.montereyinstitute.org/courses/DevelopmentalMath/COURSE_TEXT_RESOURCE/U03_L2_T2_text_final.html (multiplying and Dividing)

https://www.eduplace.com/math/mw/background/5/09/te_5_09_overview.html (Multiplying and Dividing)

<https://www.mathsisfun.com/decimals.html>

https://www.google.com/search?rlz=1C1GCEA_enUS845US845&sxsrf=ACYBGNQShHVstK_JdSFurbiRU_iRIHBixQ%3A1575409231645&lei=T9bmXab7JqWw_Qa7nqT4Cw&q=decimals%20place%20value%20chart&ved=2ahUKewjNz8bduJrmAhXDmOAKHRvZAaAQsKwBKAN6BAgAEAQ&biw=1680&bih=939 (Place Value Charts)

<https://www.youtube.com/watch?v=0hDDMxAXQvg> (Video on using place value charts)

Fractions

<https://www.khanacademy.org/math/arithmetic/fraction-arithmetic/arith-review-multiply-fractions/v/multiplying-a-fraction-by-a-fraction> (Multiplying Fractions)

<https://medium.com/i-math/the-no-nonsense-straightforward-da76a4849ec>

<https://www.mathlearningcenter.org/resources/apps/fractions> (Fractions Apps)

https://www.adaptedmind.com/Math-Worksheets.html?campaignId=711112994&gclid=CjwKCAiArJvBRACEiwA-Wiqq21dVSAY1wNk5euuNXdGuBU8SM5oxzgRm6lagoAHVQBoYciaQU3bdxoCV7MQAvD_BwE

https://www.google.com/search?rlz=1C1GCEA_enUS845US845&biw=1680&bih=939&sxsrf=ACYBGNRe_gdjaXDejDh-Jxl9_XWb3imnzg%3A1575411189192&ei=9d3mXaibC4_p_QaVhLr4Bg&q=fractions+worksheets+pdf&oq=fractions+worksheets&gs_l=psy-ab.1.0.0i71l8.0.0..7144...0.2..0.0.0.....0.....gws-wiz.Lvshcl9Cj2M

(worksheets)

<https://www.homeschoolmath.net/worksheets/fraction.php> (worksheets)

https://www.edhelper.com/fractions.htm?gclid=CjwKCAiArJvBRACEiwA-Wiqqyq7SHkdQQBiin6VbB6yu39KLJXzor7VPOUNnA5Q8i8gZqE5I5fOqRoCchoQAvD_BwE (worksheets)

Converting between Fractions and Decimals

http://www.math-aids.com/Fractions/Converting_Between_Fractions_Decimals.html

Percentage Teaching

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-percent-problems/v/taking-a-percentage-example> (Video and explanation)

<https://www.mathsisfun.com/percentage.html> (intro)

<https://www.homeschoolmath.net/teaching/percent/percent.php>

https://www.transum.org/Software/SW/Starter_of_the_day/Similar.asp?ID_Topic=28 (Starter Activities)

<https://www.visnos.com/demos/starter-calculate-percentage-decimal-fraction> (Starter Activities)

<https://www.teachingideas.co.uk/subjects/percentages> (Teaching Ideas)

Ratio/Proportion Teaching

<https://www.youtube.com/watch?v=4m9srYtOrFQ> (Video and explanation)

<https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-ratios-intro/v/ratios-intro> (Video and explanation)

<https://www.homeschoolmath.net/teaching/proportions.php>

<https://www.teachingchannel.org/video/ratios-and-proportions-lesson-sbac> (Video and explanation)

<https://betterlesson.com/lesson/527889/ratios-proportions>

https://www.google.com/search?rlz=1C1GCEA_enUS845US845&sxsrf=ACYBGNRI30vHy9icDQAUctauV0wX0cm4nw:1575408705219&q=Teaching+Ratio+and+Proportion&tbm=isch&source=univ&sa=X&ved=2ahUKewiaq4DitprmAhUsWN8KHTfRBoMQsAR6BAGHEAE&biw=1680&bih=939 (Images)

Algebra 1 Help

https://www.studypug.com/algebra-1?camp_id=882863448&grp_id=47361244974&kw=%2Bhelp%20%2BAlgebra%20%2B1&mt=b&source=g&pos=1t2&tgt=kwd-528105064792&loc=9011629&device=c&adid=231331531814&gclid=CjwKCAiArJvBRACEiwA-Wiqq4s8euBTecBQKrIIOATM1u6oaiHQT8v8xznv2cvZVEUuXAAAdSXLXBRoCxq8QAvD_BwE (Some lessons are for sale, but many are free.)

<https://www.khanacademy.org/math/algebra>

Algebra 1 Lesson Plans

<https://www.teacherspayteachers.com/Browse/PreK-12-Subject-Area/Algebra/Type-of-Resource/Lesson-Plans-Bundled/Price-Range/Free>

http://www.teach-nology.com/teachers/lesson_plans/math/algebra/

<https://www.orange.k12.nj.us/cms/lib7/NJ01000601/Centricity/Domain/26/Algebra%201%20Unit%201%20Curriculum%20Guide%20.pdf> (Unit Plan from Orange County Schools)

<https://www.pleacher.com/mp/mlessons/mobalge.html> Algebra 1 Pacing Guide, Definitions

Skills/Standards Covered in Algebra 1

<https://www.cpalms.org/Public/search/Course>

<https://www.pleacher.com/mp/mlessons/mobalge.html>

Algebra 1 Standards in Florida with Resources by Standard

<https://www.cpalms.org/Public/PreviewCourse/Preview/10288>

Games

K

<https://www.education.com/games/kindergarten/numbers/>

K-5

https://www.splashmath.com/math-skills/kindergarten?adCampaign=6501579331&adGroup=83713207851&adTag=free%20number%20games%20for%20kindergarten&adID=382239446041&ipad_blocker_disabled=1&gclid=CjwKCAiArJvBRA

K-6

<https://www.mathplayground.com/math-games.html>

<http://www.sheppardsoftware.com/math.htm>

K-8

https://www.adaptedmind.com/Math-Worksheets.html?campaignId=711112994&gclid=CjwKCAiArJvBRACEiWA-Wiqq_XInudytcns-zFSxIPFLiJ8H-LvLOf2uC85qC6JxN074wzRajXvMxoCrW0QAvD_BwE-

<https://www.mathgames.com/math-games.html>

<https://www.coolmathgames.com/>

<http://www.kidsmathgamesonline.com/>

<https://pbskids.org/games/123/>

Multiplication

<http://www.playkidsgames.com/games/timezAttack/timezAttack.htm>

<https://www.multiplication.com/games/all-games>

<https://www.multiplication.com/>

<https://www.timestables.com/games/>

https://www.mathplayground.com/index_multiplication_division.html

https://www.abcya.com/games/clear_it_multiplication

<https://www.education.com/games/multiplication/>