

Real Numbers and Linear equations

Real Numbers

Ordering integers and plotting integers on a number line

<http://www.youtube.com/watch?v=GKVWLODLuUs>

<http://www.youtube.com/watch?v=SZf2UUsMhfl>

Fractional position on a number line

<http://www.youtube.com/watch?v=ql6QJpZ8yIY>

<http://www.youtube.com/watch?v=xz6ahTCmSKM>

Plotting rational numbers on a number line

<http://www.youtube.com/watch?v=xvcWNKJJO7I>

Absolute value of a number

http://www.youtube.com/user/yourteachermathhelp#p/search/1/_9NGZH-uTWE

<http://www.youtube.com/watch?v=W-wCiNQ3vUo>

Integer addition

<http://www.youtube.com/user/yourteachermathhelp#p/search/3/ZxbXjORORSU>

Integer Subtraction

<http://www.youtube.com/user/yourteachermathhelp#p/search/2/RDw3Gq-heTw>

Integer multiplication

<http://www.youtube.com/user/yourteachermathhelp#p/search/0/-4-yuOPe1eI>

Integer division

http://www.youtube.com/user/yourteachermathhelp#p/search/1/_Btpi6mfXws

Mixed arithmetic operations with integers and operations with absolute value

<http://www.youtube.com/watch?v=bfYuOd7MN1g>

Simple fraction addition

<http://www.youtube.com/watch?v=JRP6FwMfITc>

http://www.youtube.com/watch?v=b56ABdQlkmk&feature=Playlist&p=7998061C20C6B66B&playnext=1&playnext_from=PL&index=4

Simple fraction subtraction

<http://www.youtube.com/watch?v=vVTzkt5E9xM>

<http://www.youtube.com/watch?v=52ZIXsFJULI>

More fraction addition with more complex numbers

http://www.youtube.com/watch?v=oj2ZIYV_Q88

Fraction multiplication

<http://www.youtube.com/watch?v=aUUx15og2Eo>

http://www.youtube.com/watch?v=PtNsG_kcgM&feature=PlayList&p=7998061C20C6B66B&playnext=1&playnext_from=PL&index=12

Decimal addition

<http://www.youtube.com/user/yourteachermathhelp#p/search/0/GIJofAXeCHU>

Exponents and integers

<http://www.youtube.com/watch?v=4uX2FCDgg2E&feature=related>

http://www.youtube.com/watch?v=_4UQB2tM-eY&feature=fvw

Exponents and fractions

<http://www.youtube.com/watch?v=fYH810p0nYE>

<http://www.youtube.com/watch?v=koGVrCMtP8s>

Evaluation of a linear expression in two variables

[http://www.youtube.com/watch?v=3pu-](http://www.youtube.com/watch?v=3pu-5hb5OSA&feature=PlayList&p=C0E1F61E1CAB5987&playnext=1&playnext_from=PL&index=59)

[5hb5OSA&feature=PlayList&p=C0E1F61E1CAB5987&playnext=1&playnext_from=PL&index=59](http://www.youtube.com/watch?v=3pu-5hb5OSA&feature=PlayList&p=C0E1F61E1CAB5987&playnext=1&playnext_from=PL&index=59)

Evaluation of a polynomial in one variable

<http://www.youtube.com/watch?v=mevLoS83ngU>

Exponents and order of operations

<http://www.youtube.com/watch?v=S4WaoAL4Xnw>

Square root of a perfect square

<http://www.youtube.com/watch?v=iFPsqk8MYj0>

Integers and rational numbers

<http://www.youtube.com/watch?v=xvcWnkJJO7I>

Rational and irrational numbers

<http://www.youtube.com/user/yourteachermathhelp#p/search/0/T7J-2Kt9WNs>

Distributive property

<http://www.youtube.com/user/yourteachermathhelp#p/search/4/-bIxmQ6cZ9g>

<http://www.youtube.com/watch?v=F-9Na14Ni6c>

Combining like terms

<http://www.youtube.com/user/yourteachermathhelp#p/search/4/LgUW9t9YZG8>

<http://www.youtube.com/watch?v=qEFzxES19U4>

<http://www.youtube.com/watch?v=fXD4DjSyoyo>

Properties of addition

<http://www.youtube.com/watch?v=5iaajKlmvzM>
<http://www.youtube.com/watch?v=xHanXzQC-Tk>

Properties of real numbers

http://www.youtube.com/watch?v=qBgw8K_U9t8

Solving Linear Equations and Inequalities

Additive property of equality

<http://www.youtube.com/watch?v=5UWD6QqKusA>
<http://www.youtube.com/watch?v=mY0yPYgREFE>

Multiplicative property of equality

<http://www.youtube.com/watch?v=YzVjHA0mG1Q>
<http://www.youtube.com/watch?v=7rnFR7upCKc>
http://www.youtube.com/watch?v=JCcCG06b6tk&feature=Playlist&p=636106D2451D8A09&playnext=1&playnext_from=PL&index=4

Solving a linear equation

http://www.youtube.com/watch?v=2BcH7E1_4u8
<http://www.youtube.com/watch?v=9XEYbl2uOM0>
http://www.youtube.com/watch?v=txETxI4u9ms&feature=Playlist&p=D1BFCFF8AEC8B3DF&playnext=1&playnext_from=PL&index=30

Solving a linear equation with several occurrences of the variable

<http://www.youtube.com/watch?v=mFdSw561oMg>

Solving equations with zero, one, or infinitely many solutions

<http://www.youtube.com/watch?v=EgfbbcdJHyg>

Introduction to algebraic symbol manipulation

<http://www.youtube.com/watch?v=3PAZs0R0yfk>

Algebraic symbol manipulation

<http://www.youtube.com/watch?v=l0JfOZcbr-0>

Solving a linear inequality

<http://www.youtube.com/watch?v=0X-bMeIN53I>
<http://www.youtube.com/watch?v=gfKOMStmrQU>
http://www.youtube.com/watch?v=VgDe_D8ojxw
<http://www.youtube.com/watch?v=E1qHNsi45mI>
<http://www.youtube.com/watch?v=vcsY6l7vREO>

Solving a compound linear inequality and graphing a linear inequality on the number line
http://www.youtube.com/watch?v=xOPFNDmBCKU&feature=Playlist&p=6A7EE5A052D076FB&playnext=1&playnext_from=PL&index=6

Graphing a compound linear inequality on the number line
http://www.youtube.com/watch?v=0VVQYOMRlkQ&feature=Playlist&p=8D6228A3AA0040CB&playnext=1&playnext_from=PL&index=20

Applications

Writing a mathematical expression
<http://www.youtube.com/watch?v=wFpd-oeVU&feature=fvw>

Translating sentences into equations
<http://www.youtube.com/watch?v=iyR8ebh8hOo>

Translating sentences into two-step equations
http://www.youtube.com/watch?v=dUpov_2IKhw

Solving a fraction word problem using a simple linear equation
http://www.youtube.com/watch?v=_0YQIA9XIKc

Solving a word problem using a linear equation
<http://www.youtube.com/watch?v=7ytK5igad-I>
<http://www.youtube.com/watch?v=kgFfmVfvLE0>

Solving a word problem with 3 unknowns using a linear equation
<http://www.youtube.com/watch?v=XWupksiBpw8&feature=Playlist&p=84CCBF9717A7A0&index=17>

Writing an inequality and writing an compound inequality
<http://www.youtube.com/watch?v=NFJdIK6Ydgc>

Writing an inequality for a real-world situation
<http://www.youtube.com/watch?v=znDboQS7GLM>

Word problem on percentage
<http://www.youtube.com/watch?v=X1gAxx3ztoo>
<http://www.youtube.com/watch?v=FzP-zz9MZeQ&feature=related>
<http://www.youtube.com/watch?v=mw1MKlw3Nhs>

Computations from circle graphs
<http://www.youtube.com/watch?v=S3yRRP6F-mo>

Computing a percentage from a table of values
<http://www.youtube.com/watch?v=S0O6iAPkDko>

Simple interest

<http://www.youtube.com/watch?v=6AZijeJDmgY>

Finding the value for a new score that will yield a given mean

<http://www.youtube.com/watch?v=fXcwPtMPx90>

Perimeter of a square or a rectangle

<http://www.youtube.com/watch?v=Dr4GQf6pzz8> rectangle

<http://www.youtube.com/watch?v=0nuSiJecN3c> square

Sides of polygons having the same perimeter

http://www.youtube.com/watch?v=iyFe3O_iIr8&feature=Playlist&p=B74C4D445E3C8602&playnext=1&playnext_from=PL&index=9

Area of a square or a rectangle

http://www.youtube.com/watch?v=ei5FAinKXoY&feature=Playlist&p=0A54E0C30979108B&playnext=1&playnext_from=PL&index=15 square

http://www.youtube.com/watch?v=ECJfSyg_Obo&feature=Playlist&p=0A54E0C30979108B&playnext=1&playnext_from=PL&index=13 rectangle

Finding the side length of a rectangle given its perimeter or area

<http://www.youtube.com/watch?v=nI0BM3e1iiE&feature=related>

Volume of a cube or a rectangular prism

<http://www.youtube.com/watch?v=YjGVFPtNTHw>

Circumference and area of a circle

<http://www.youtube.com/watch?v=TR7BcSa6hIQ>

Volume of a cylinder

<http://www.youtube.com/watch?v=QhHYOZ0Rf4I>

Vertical angles and linear pairs

<http://www.youtube.com/watch?v=EBP6Mc52ByY>

Solving triangles: basic

<http://www.youtube.com/watch?v=eoe8bpowBK4&feature=related>

Absolute Value

Simple absolute value equation

<http://www.youtube.com/watch?v=NS2wePC9C8U>

<http://www.youtube.com/watch?v=NxbLXwXXp7Y&NR=1>