

Math Strategies & Vocabulary Video Tutorials

Please Note that YouTube Videos
are **BLOCKED** at school for students.

Math Mountains

Two short demonstrations of one way students use Math Mountains to solve problems

<http://www.youtube.com/watch?v=ii3oTRi2dCg>

<http://www.youtube.com/watch?v=OjOKs8h9dsU>

This video demonstrates how students can use "Math Mountains" in addition and subtraction. It focuses on using Math Mountains to find an unknown partner of a given number. Also covers how Math Mountains can be used with word/story problems.

<http://www.youtube.com/watch?v=Tz4DGCcJec8>

Make a Ten Strategy

An addition or subtraction strategy which children count to ten and add or subtract. The first two videos demonstrates how children will first use this strategy and the last video demonstrates how they will use it with larger numbers.

ADDITON : http://www.youtube.com/watch?v=h3_j3inpaYU

SUBTRACTION : <http://www.youtube.com/watch?v=n3fY7DbyEUo>

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

Show All Totals Method

A strategy to help students with multi-digit addition problems. In the Show Subtotals method, the hundreds, tens, and ones are added separately and then the three subtotals are added to get the final sum.

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

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Doubles (Mental Math) Strategies

Doubles is a strategy for addition and subtraction. This include Doubles +1, Doubles +2 and Doubles -1 or Doubles -2.

DOUBLES : <http://www.youtube.com/watch?v=QtRErbEMD5o>

DOUBLES +1 : <http://www.youtube.com/watch?v=E0hhO4DPgh4>

<http://www.youtube.com/watch?v=Dq7NtBObAPY>

Doubles +1 & Doubles -1 : <http://www.youtube.com/watch?v=elj4aup0wJK>

New Groups Above Method

The New Groups Above method is the method most commonly taught multi-digit addition strategy taught in U.S. schools.

<http://www.schooltube.com/video/88df1512fc0e6851f7ad/New%20Groups%20Above%20Method>

New Groups Below Method

The New Groups Below method is identical to New Groups Above, except the 1s indicating the new groups are written under the addends.

<https://www.schooltube.com/video/36ad83e7c1d9852de9f4/New%20Groups%20Below%20Method>

Show All Totals Method

A method for finding a total for multi-digit numbers.

2-DIGIT #s : <http://www.showme.com/sh/?h=Sc8gfj6>

3-DIGIT #s : <http://www.showme.com/sh/?h=P2v0CgK>

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Expanded Method (Addition)

A method of addition in which children show the place value (ones, tens, hundreds) of each digit.

2-DIGIT : <http://www.youtube.com/watch?v=7bCFCgFXVR8>

3-DIGIT : <http://www.youtube.com/watch?v=np1UzWuJ7JE>

Expanded Method (Subtraction)

A method of subtraction in which children show the place value (ones, tens, hundreds) of each digit.

2-DIGIT : <https://www.youtube.com/watch?v=jvqSURsu5uY>

3-DIGIT : <https://www.youtube.com/watch?v=TaGRmLorzSM>

Ungroup First Method (Subtraction)

"Ungrouping" replaces the term "borrowing" in subtraction. In this method of subtraction children check each place to see if they need to ungroup in order to subtract.

2-DIGIT : <https://www.youtube.com/watch?v=sJJCKBOiVoU>

3-DIGIT (1 Step) : <https://www.youtube.com/watch?v=JoQTqnhrlxg>

3-DIGIT (2 Step): <https://www.youtube.com/watch?v=hHdoPYM9EXA>

Word Problem Strategies

Start Unknown : <https://www.youtube.com/watch?v=JY50Q3A1sB8>

Unknown Change or Change Unknown :

<https://www.youtube.com/watch?v=SDg5GySRiWE>

https://www.youtube.com/watch?v=SrKMz_0-NFQ

Comparison : <https://www.youtube.com/watch?v=DfEN8xPN1Qc>