**Khan Academy –** Topics – Mathematics - **Year 1** (ttoHV & ttoV)

* Go to the website <https://www.khanacademy.org/>
* Click ‘Sign up with email’
* Fill in your ‘First Name’ and ‘Last name’
* Choose an email-address that you use frequently (your magister address is suitable!)
* Fill in your birth date
* Use the link in the email send to your address to confirm the account
* Choose ‘male’ or ‘female’ and create a username and password
* Click the tag with ‘the world of math’ and choose ‘go back to the classic homepage’ (this way you get out of the learning board – don’t do the test yet!)
* Choose ‘classic homepage’

To add your teacher as a coach and be part of your class:

* Click your username (near your first avatar – a green leaf)
* When you are in your profile, click ‘coaches’ (bottom of left side column)
* In the bar with ‘enter class code or coach id’ type, enter the email adress:

<please inform students of your emailadress>

* Join the class (make sure you don’t pick the name with .net or .com …just .nl)
* Your teacher will add you to the correct class
* Most of the things you do for maths will be ‘practice your maths skills’ (upper right)

Below you will find a study planning.

K means Khan Academy step

01 etc. is the order in which to proceed

A means arithmetic en M means mathematics

**Assignments:** A = arithmetic (**all without calculator!**) M =mathematics

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| --- | --- | --- | --- |
| Number | **Main topic in ‘Star Map’** | **Subtopics** (zoom in) | Period |
| K01 A | Addition & subtraction | - 1 digit addition (no calculator!)- 2 digit addition - 1 digit subtraction - 2 and 3 digit subtraction - subtraction with borrowing - 4 digit subtraction with b. - addition and subtraction word problems - addition with carrying- 4-digit addition with carrying- number line  | 1 |
| K02 A | Decimals | - decimals on the number line 1- decimals on the number line 2- decimals on the number line 3- adding decimals 1- adding decimals 2- subtracting decimals 0,5- subtracting decimals- adding and subtracting decimals word problems | 1 |
| K03 A | Decimals | - place value- understanding decimals place value- comparing decimals 1- comparing decimals 2- rounding whole numbers- rounding numbers- estimation with decimals | 1 |
| K04 A | Multiplication and division | - multiplying 1 digit numbers- multiplaying by multiples of 10- basic division- 1 digit division- multi-digit division without remainders- multiplication without carrying- multiplication with carrying- multiplying 2 digits by 2 digits- multi-digit multiplication- counting division by 2 digits- multi-digit division | 2 |
| K05 A | Multiplication and division | - representing numbers- understanding place value 1- comparing whole numbers- comparing with multiplication- multiplication and division word problems- multiplication and division word problems 2- multi-step word problem with whole numbers | 2 |
| K06 A | Arithmetic properties | - recognising fractions 0,5- fractions on the number line 1- identifying numerators and denominators- converting fractions to decimals- adding fractions with common denominators- equivalent fractions- equivalent fractions 2- fraction word problems- adding fractions- subtracting fractions | 2 |
| K07 A | Fractions | - simplifying fractions- multiplying fractions 0,5- multiplying fractions by integers- multiplying fractions- dividing fractions by whole numbers- dividing whole numbers by fractions- multiplying fractions word problems- dividing fractions word problems | 2 |
| K08 M | Graphing linear functions | - graphing points- points on the coordinate plane | 2 |
| K09 M | Negative numbers and absolute value | - negative numbers on the number line- number line 3- ordening negative numbers- adding negative numbers- number opposites- adding and subtracting negative numbers- negative numbers word problems | 3 |
| K10 A | Arithmetic properties | - properties of numbers 1- properties of numbers 2- order of operations- distributive property | 3 |
| K11 A | Factors and multiples | - divisibility intuition- divisibility 0,5- prime numbers- prime factorization- least common multiple (VWO only!)- greatest common divisor (VWO!)- LCM and GCD word problem (VWO!) | 4 |
| K12 M | Points, lines, planes | - recognizing rays lines and line segments- points, lines and planes- measuring segments- measuring angles- angle types | 4 |
| K13 M | Angles and intersecting lines | - parallel lines- congruent angles | 4 |
| K14 M | Quadrilaterals | - quadrilateral types- quadrilateral angles (VWO only!)- angles of a polygon (VWO only!) | 4 |