

Maths Learning Objectives Year 1

Ma1/2.1 Number & Place Value

Ma1/2.1a count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number

<https://www.topmarks.co.uk/learning-to-count/underwater-counting>

<https://www.topmarks.co.uk/learning-to-count/teddy-numbers>

<https://www.topmarks.co.uk/ordering-and-sequencing/caterpillar-ordering>

Ma1/2.1b count, read and write numbers to 100 in numerals; count in multiples of 2s, 5s and 10s

<https://www.youtube.com/watch?v=GvTcpfSnOMQ> counting in 2's song

<https://www.youtube.com/watch?v=EemjeA2Djjw> counting in 5's song

https://www.youtube.com/watch?v=Ftati8iGQcs&list=PLM95cb_Szq3am4n6jJw127QbBIDivZgIc counting in 10's song

Ma1/2.1c given a number, identify 1 more and 1 less

<https://www.topmarks.co.uk/learning-to-count/chopper-squad>

Ma1/2.1d identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least

http://resources.hwb.wales.gov.uk/VTC/greater_less_than/eng/Introduction/default.htm

Ma1/2.1e read and write numbers from 1 to 20 in numerals and words.

Ma1/2.2 Addition & Subtraction

Ma1/2.2a read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs

<https://www.topmarks.co.uk/addition/addition-to-10>

<https://www.topmarks.co.uk/addition/robot-addition>

http://www.hbschool.com/activity/numberline1_5_04/

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Ma1/2.2b represent and use number bonds and related subtraction facts within 20
<https://www.topmarks.co.uk/maths-games/hit-the-button> bonds game

Ma1/2.2c add and subtract one-digit and two-digit numbers to 20, including 0
<https://www.topmarks.co.uk/addition/robot-addition>

Ma1/2.2d solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = ? - 9$.
<https://www.topmarks.co.uk/maths-games/hit-the-button>

Ma1/2.3 Multiplication & Division

Ma1/2.3a solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.
<https://www.topmarks.co.uk/maths-games/hit-the-button>

Ma1/2.4 Fractions

Ma1/2.4a recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity
<http://resources.hwb.wales.gov.uk/VTC/ngfl/ngfl-flash/fractions/fractions.html>
<https://www.bbc.co.uk/bitesize/topics/z3rbg82/articles/zq2yfrd>

Ma1/2.4b recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity.
<https://www.bbc.co.uk/bitesize/topics/z3rbg82/articles/zq2yfrd>
<http://resources.hwb.wales.gov.uk/VTC/ngfl/ngfl-flash/fractions/fractions.html>

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Ma1/3.1 Measurement To be updated

Ma1/3.1a compare, describe and solve practical problems for:

- i. lengths and heights [for example, long/short, longer/shorter, tall/short, double/hal]
- ii. [mass / weight](#)
- iii. [capacity and volume](#)
- iv. [time](#)

Ma1/3.1b measure and begin to record the following:

- i. lengths and heights
- ii. mass/weight
- iii. capacity and volume
- iv. time (hours, minutes, seconds)

<https://www.topmarks.co.uk/ordering-and-sequencing/coconut-ordering> ordering game involving different measurements

<https://www.topmarks.co.uk/early-years/lets-compare> comparing sizes

<http://www.ictgames.com/mobilePage/capacity/index.html> read the volume game

<https://www.topmarks.co.uk/maths-games/measuring-in-cm> how to measure in cm

<https://www.ictgames.com/mobilePage/mostlyPostie/> fun game to do with measuring scales for mass (uses $\frac{1}{2}$) also.

Ma1/3.1c recognise and know the value of different denominations of coins and notes

<https://www.topmarks.co.uk/money/coins-game> coin game & counting

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https://www.youtube.com/watch?v=vs8F_g3MGtM coin recognition video

Ma1/3.1d [sequence events in chronological order using language](#)

Ma1/3.1e recognise and use language relating to dates, including days of the week, weeks, months and years

<https://www.bbc.co.uk/bitesize/topics/zrqqtfr/articles/ztjg39q> days of the week

<https://www.youtube.com/watch?v=Fe9bnYRzFvk> months of the year song

Ma1/3.1f tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.

https://www.sheppardsoftware.com/mathgames/earlymath/on_time_game1.htm

<http://www.ictgames.com/mobilePage/hickoryDickory/index.html>

Ma1/3.2 Properties of Shapes

Ma1/3.2a recognise and name common 2-D and 3-D shapes, including:

- i. [2-D shapes](#)
- ii. [3-D shapes](#)

<https://www.topmarks.co.uk/early-years/shape-monsters>

<https://www.topmarks.co.uk/symmetry/symmetry-sorting> symmetry in objects

<https://www.topmarks.co.uk/ordering-and-sequencing/shape-patterns> sequence / patterns

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http://resources.hwb.wales.gov.uk/VTC/castle_shapes/eng/Introduction/default.htm 3D and 2D shape activity

Ma1/3.3 Position and Direction

Ma1/3.3a describe position, directions and movements, including whole, half, quarter and three-quarter turns.

<https://nrich.maths.org/5560>