Meadowburn Primary



Numeracy Booklet

A Guide for Parents

For further information on Supporting Numeracy at Home visit:

https://www.educationscotland.gov.uk/ Follow the link: What's New Supporting Numeracy at Home

or

http://www.educationscotland.gov.uk/parentzone/learningathome/ supportingnumeracy/index.asp

Addition



Subtraction



Multiplication

It is essential that you know all of the multiplication tables from 1 to 10. These are shown in the tables square below. ×

Mental Strategies

Example Find 39×6 Method 1 180 + 54 30 x 6 9 x 6 = 180 = 54 = 234 Method 2 40 is 1 too many 240 - 6 40 x 6 so take away 6x1 = 234 =240

Division



Fractions



Percentages

Percent means out of 100. A percentage can be converted to an equivalent fraction or decimal. 36% means $\frac{36}{100}$ 36% is therefore equivalent to $\frac{9}{25}$ and 0.36

Common Percentages

Some percentages are used very frequently. It is useful to know these as fractions and decimals.

Percentage	Fraction	Decimal
1%	$\frac{1}{100}$	0.01
10%	$\frac{1}{10}$	0.1
20%	$\frac{1}{5}$	0.2
25%	$\frac{1}{4}$	0.25
331/3%	$\frac{1}{3}$	0.333
50%	$\frac{1}{2}$	0.5
66²/ ₃ %	$\frac{2}{3}$	0.666
75%	$\frac{3}{4}$	0.75



Mathematical literacy (Key words):

Add; Addition	To combine 2 or more numbers to get one number
(+)	(called the sum or the total)
	Example: 12+76 = 88
a.m.	(ante meridiem) Any time in the morning (between
	midnight and 12 noon).
Approximate	An estimated answer, often obtained by rounding to
	nearest 10, 100 or decimal place.
Calculate	Find the answer to a problem. It doesn't mean that
	you must use a calculator!
Data	A collection of information (may include facts, numbers
	or measurements).
Denominator	The bottom number in a fraction (the number of parts
	into which the whole is split).
Difference (-)	The amount between two numbers (subtraction).
	Example: The difference between 50 and 36 is 14
	50 - 36 = 14
	Sharing a number into equal parts.
Division (÷)	24 ÷ 6 = 4
Double	Multiply by 2.
Equals (=)	Makes or has the same amount as.
Equivalent	Fractions which have the same value.
fractions	Example $\frac{6}{12}$ and $\frac{1}{2}$ are equivalent fractions
Estimate	To make an approximate or rough answer, often by
	rounding.
Evaluate	To work out the answer.
Even	A number that is divisible by 2.
	Even numbers end with 0, 2, 4, 6 or 8.
Factor	A number which divides exactly into another number,
	leaving no remainder.
	Example: The factors of 15 are 1, 3, 5, 15.
Greater than (>)	Is bigger or more than.
	Example: 10 is greater than 6.
	10 > 6
Least	The lowest number in a group (minimum).
Less than (1)	Is smaller or lower than

	Example: 15 is less than 21. 15 < 21.
Maximum	The largest or highest number in a group.
Minimum	The smallest or lowest number in a group.
Minus (-)	To subtract.
Most	The largest or highest number in a group (maximum).
Multiple	A number which can be divided by a particular number,
	leaving no remainder.
	Example Some of the multiples of 4 are 8, 16, 48, 72
Multiply (x)	To combine an amount a particular number of times.
	Example 6 x 4 = 24
Negative	A number less than zero. Shown by a minus sign.
Number	Example -5 is a negative number.
Numerator	The top number in a fraction.
Odd Number	A number which is not divisible by 2.
	Odd numbers end in 1 ,3 ,5 ,7 or 9.
Operations	The four basic operations are addition, subtraction,
	multiplication and division.
Order of	The order in which operations should be done.
operations	BODMAS
	BODMAS represents: (B)rackets
	(O)rder
	(D)ivide
	(M)ultiply
	(A)dd
	(S)ubract
	(Note order means a number raised to a power such as
	$2^2 \operatorname{or}(-3)^3$ Not covered at 1^{st} or 2^{nd} level)
Place value	The value of a digit dependent on its place in the
	number.
	Example: in the number 1573.4, the 5 has a place value
	of 100.
p.m.	(post meridiem) Any time in the afternoon or evening
	(between 12 noon and midnight).
Product	The answer when two numbers are multiplied together.
	Example: The product of 5 and 4 is 20.
Remainder	The amount left over when dividing a number.
Share	To divide into equal groups.
Sum	The total of a group of numbers (found by adding).
Total	The sum of a group of numbers (found by adding).