



Year 4 'Must Know' Maths Facts!

Times tables up to 12 x 12
Also related division facts—the inverse

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

*E.g. 6 x 4 = 24
so 24 ÷ 6 = 4*

Key vocabulary

Factors and **multiples** are different things. But they both involve multiplication: **Factors** are what we can multiply to get the number. **Multiples** are what we get after multiplying the number by an integer (not a fraction).

Numerator—The top number in a fraction.
Denominator—The bottom number in a fraction.

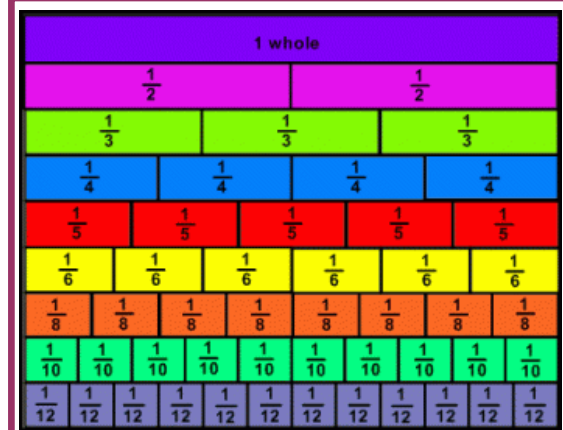
Equivalent fraction—Fractions which have the same value, even though they may look different. Example 1/2 and 2/4 are equivalent, because they are both "half".

Acute angle—An angle less than 90° is acute.
Obtuse angle—An Obtuse Angle is more than 90° but less than 180°

Key method—compact method for addition and subtraction

Children should be able to calculate with numbers up to 4-digits

$$\begin{array}{r} 625 \\ + 48 \\ \hline 673 \\ \hline 1 \end{array} \qquad \begin{array}{r} 614 \ 1 \\ \del{7} \del{5} \del{4} \\ - 86 \\ \hline 668 \end{array}$$



Fraction wall used to help find equivalent fractions

My Place Value Grid

Th	H	T	U	.	$\frac{1}{10}$	$\frac{1}{100}$
Thousands	Hundreds	Tens	Units		Tenths	Hundredths

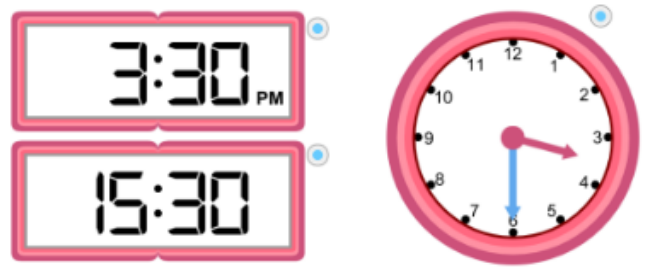
Children should be able to multiply and divide whole and decimal numbers by 10 and 100

Key method—grid method for multiplication moving to compact

x	20	3
8	160	24

$$\begin{array}{r} 160 \\ + 24 \\ \hline 184 \end{array}$$

$$\begin{array}{r} 23 \\ \times 8 \\ \hline 24 \text{ (8x3)} \\ +160 \text{ (8x20)} \\ \hline 184 \end{array}$$



Children should be able to tell and convert time between analogue and digital clocks and 24 hour