

Maths, Year 3, Spring 2

This term I will be learning and practicing

Unit 7:
Calculating
with
Multiplication
and Division

Multiply and divide by 10

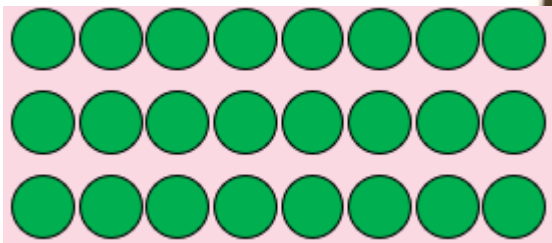
Multiply a 2-digit number by a 1-digit number

Divide 2-digit number by a 1-digit

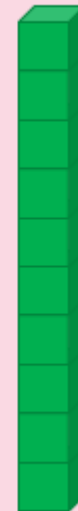
Correspondence problems



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



Array



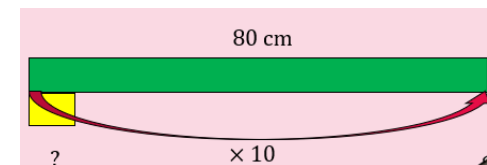
100 square

Dienes

STAR Words

Unit 7: Calculating with multiplication and division

array	An arrangement of counters or numbers, in columns and rows, used to represent multiplication and division
column	A vertical arrangement of numbers or objects
commutative	A property of addition and multiplication. It does not matter in which order the addends or factors are added or multiplied; the result will be the same
combinations	Different ways you can put things together
derive	To use what you already know to work out an answer
division fact	Number sentence that tells you how many times one number fits into another
dividend	The amount that you want to divide
divisor	The number you divide by.
equal groups	Groups that have the same number of things in each.
equal parts	When something is split into pieces that are the same size.
factor	A number, that when multiplied with one or more other factors, makes a given number.
for every	For each one of something, there is a certain number of something else.
grouping	Putting things into equal sets to make counting easier
group	To make equal size groups. This is one model for division.
hundreds	The third digit from the right showing how many groups of 100
inverse	Opposite operation that 'undo' each other
known	A fact which has been committed to memory (or very fast recall) and can be applied fluently to various calculation strategies.
known fact	A number fact which has been committed to memory (or very fast recall) and can be applied fluently to various calculation strategies.
multiple	The result of multiplying a number by an integer.



Bar model

Hundreds	Tens	Ones

Place value chart

STAR Words

Unit 7: Calculating with multiplication and division

multiply	To increase a quantity by a given scale factor
multiplication fact	Number sentence that tells you how many you get when you multiply two numbers
multiplication	One of the four mathematical operations.
ones	Rightmost digit in a number representing single objects
one tenth	1 out 10 equal parts of something
partition	To split a number into two or more parts
pattern	A systematic arrangement of numbers, shapes or other elements according to a rule.
place value	A system for writing numbers, in which the value of a digit is defined by its position within the number.
product	The result you get when you multiply two numbers.
quotient	The result when the dividend is divided by the divisor.
regroup	Changing how numbers are grouped to make it easier to add and subtract
row	A line of things that go side to side (left to right)
scaling	Making something bigger or smaller but keeping it the same shape.
sharing	Splitting something equally between people or groups.
share	To distribute fairly between a given number of recipients. This is one model for division.
systematic	Doing something in a careful, step-by-step order so you don't miss anything
tens	Second digit from the right showing how many groups of ten.
ten times as many	You have 10 times more than the number you started with
ten times the size	Something is ten times bigger than the original thing
times	To add a number to itself a certain number of times
unknown	A number or value we do not know yet.
value	How much something is worth in a number.
whole	All of something

