Year 4

Vocabulary

Add
sum
plus
combined
total
increase
altogether
more

Addition

Place Value Table

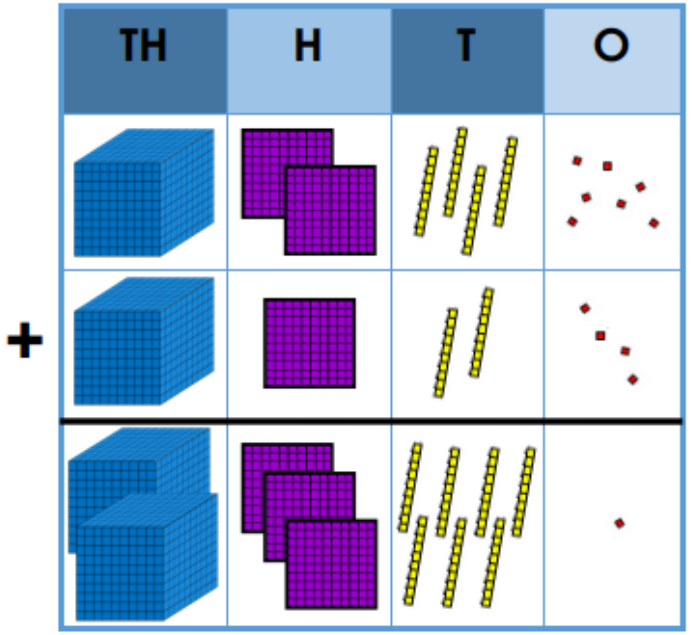
232 + 29 = 261

H	T	O
100 100	10 10 10	1 1
	10 10	1 1 1
		1 1 1
		1 1 1

If we have more than 10, we exchange counters.

H	T	O
100 100	10 10 10	1
	10 10 10	

Base 10



	1	2	4	7
+	1	1	2	4
	2	3	7	1
			1	

Year 4

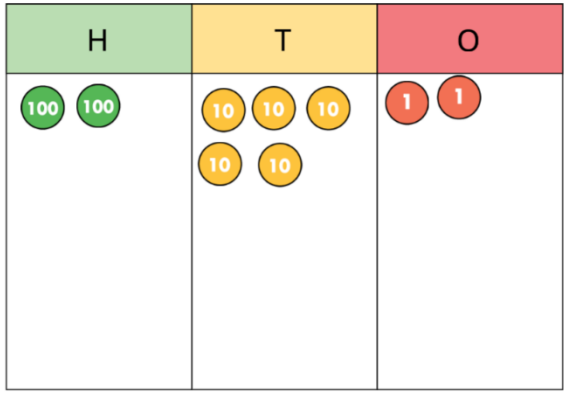
Vocabulary

subtract
minus
decrease
reduce
take away
difference
less
fewer

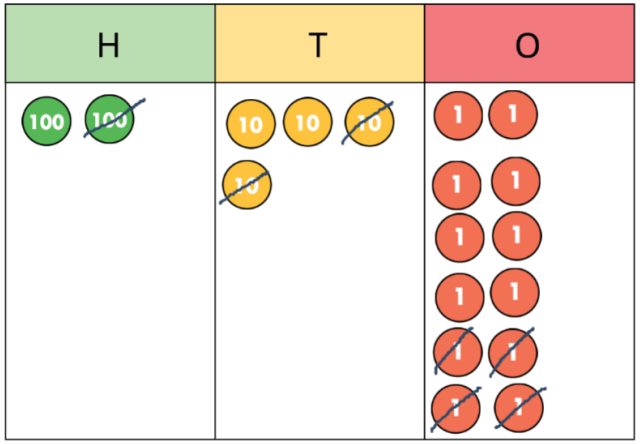
Subtraction

Place Value Counters

252 – 124 =



If we can't takeaway we exchange.



Ten Frame

	1	1	3 4	12
-		2	2	4
			1	8

If we can't takeaway we exchange.

	0 1	11	3 4	12
-		2	2	4
		9	1	8

Year 4

Vocabulary

Multiply
Times
Double
Count in

—

Equal groups
Product of

Multiplication

Times Tables

1 x 6 = 6	2 x 6 = 12	3 x 6 = 18	4 x 6 = 24	5 x 6 = 30	6 x 6 = 36
7 x 6 = 42	8 x 6 = 48	9 x 6 = 54	10 x 6 = 60	11 x 6 = 66	12 x 6 = 72

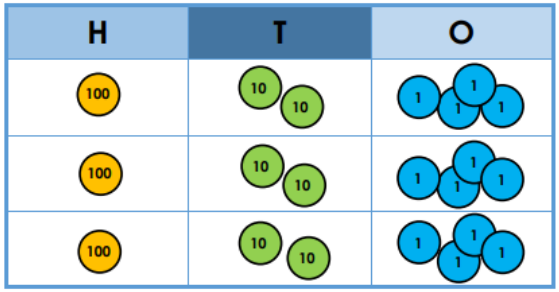
1 x 7 = 7	2 x 7 = 14	3 x 7 = 21	4 x 7 = 28	5 x 7 = 35	6 x 7 = 42
7 x 7 = 49	8 x 7 = 56	9 x 7 = 63	10 x 7 = 70	11 x 7 = 77	12 x 7 = 84

1 x 9 = 9	2 x 9 = 18	3 x 9 = 27	4 x 9 = 36	5 x 9 = 45	6 x 9 = 54
7 x 9 = 63	8 x 9 = 72	9 x 9 = 81	10 x 9 = 90	11 x 9 = 99	12 x 9 = 108

1 x 11 = 11	2 x 11 = 22	3 x 11 = 33	4 x 11 = 44	5 x 11 = 55	6 x 11 = 66
7 x 11 = 77	8 x 11 = 88	9 x 11 = 99	10 x 11 = 110	11 x 11 = 121	12 x 11 = 132

1 x 12 = 12	2 x 12 = 24	3 x 12 = 36	4 x 12 = 48	5 x 12 = 60	6 x 12 = 72
7 x 12 = 84	8 x 12 = 96	9 x 12 = 108	10 x 12 = 120	11 x 12 = 132	12 x 12 = 144

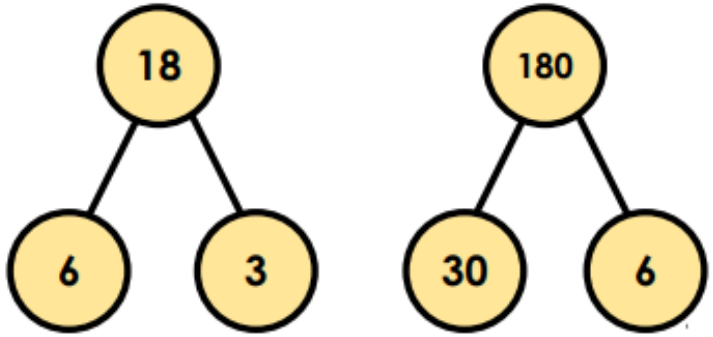
Written Method



	1	2	4
x			3
	3	7	2

1

Related Facts



6 x 3 = 18

30 x 6 = 180

Doubling

2 x 4 = 8	4 x 4 = 16	8 x 4 = 32
2 x 6 = 12	4 x 6 = 24	8 x 6 = 48

Year 4

Vocabulary

Divide
Share
Count in __
Equal groups of...

Division

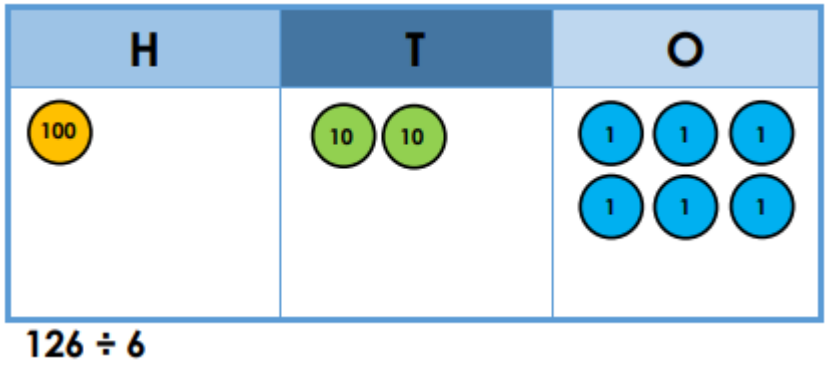
Written Method

	0	2	1
6	1	$^{1}2$	6

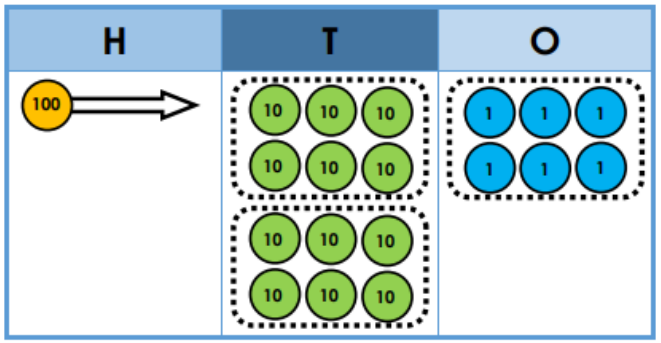
Groups of...

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

Known Facts



126 ÷ 6



Year 4

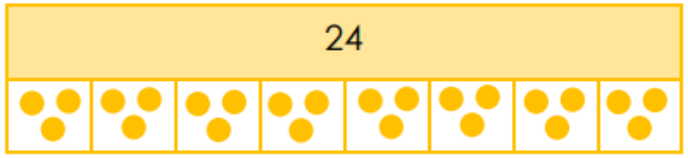
Vocabulary

Equal parts
Groups
Divide
Equivalent
Numerator
Denominator

Fractions

Fraction of an amount

$\frac{1}{8}$ of 24 = 3

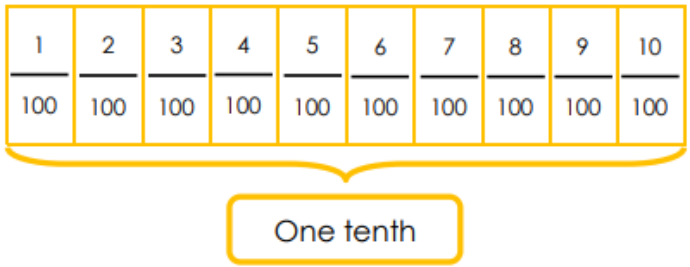


Addition and Subtraction

$\frac{7}{10} - \frac{3}{10} = \frac{4}{10}$

$\frac{3}{10} + \frac{5}{10} = \frac{8}{10}$

Equivalent



Equivalent fractions can be found by multiplying the numerator and the denominator by the same number.

$\frac{1}{3} \times \frac{2}{2} = \frac{2}{6}$