Multiplication script (Expanded notation method)

Language (Script)	Recording

423 multiplied by 15

Expand the two numbers

Th	H	T	O	
	4	2	3	(400 + 20 + 3)
×		1	5	(10 + 5)

Multiply by the ones

Record each of the multiplication facts:

- 5 × 3
- 5 × 20 (Note you are not multiplying by 2)
- 5 × 400 (Note you are not multiplying by 4)

Th	H	T	O	
	4	2	3	(400 + 20 + 3)
×		1	5	(10 + 5)
				5 × 3
				5 × 20
				5 × 400

Record your answers for each multiplication fact:

- 5 threes is 15
- 5 twenties is 100
- 5 four hundreds is 2000

Th	H	T	O	
	4	2	3	(400 + 20 + 3)
×		1	5	(10 + 5)
		1	5	5 × 3
	1	0	0	5 × 20
2	0	0	0	5 × 400

Multiply by the tens

Record each of the multiplication facts

- 10 × 3
- 10 × 20 (Note you are not multiplying by 2)
- 10 × 400 (Note you are not multiplying by 4)

Record your answers for each multiplication fact:

- 10 threes is 30
- 10 twenties is 200
- 10 four hundreds is 4000

Th	H	T	O	
	4	2	3	(400 + 20 + 3)
×		1	5	(10 + 5)
		1	5	5 × 3
	1	0	0	5 × 20
2	0	0	0	5 × 400
		3	0	10 × 3
	2	0	0	10 × 20
4	0	0	0	10 × 400

Add the digits

Add the digits one place value at a time

	Th	H	T	O	
		4	2	3	(400 + 20 + 3)
	×		1	5	(10 + 5)
			1	5	5 × 3
		1	0	0	5 × 20
	2	0	0	0	5 × 400
			3	0	10 × 3
		2	0	0	10 × 20
+	4	0	0	0	10 × 400
	6	3	4	5	

423 multiplied by 15 is 6345