

Year 5 Block 5 Unit: Multiplication and Division B

Key Vocabulary:

multiples	multiply	divide	remainder
product	groups of	share	

What will I know by the end of this unit?

Multiply a 4-digit number by a 1-digit number:

Multiply a 4-digit number by a 2-digit number:

Thousands	Hundreds	Tens	Ones
1000 1000	100 100 100 100	10 10	
1000 1000	100 100 100 100	10 10	
1000 1000	100 100 100 100	10 10	
1000 1000	100 100 100 100	10 10	

	2	4	2	0
x				4
	9	6	8	0
	1			

41×26

	Th	H	T	O
			4	1
x			2	6
		2	4	6
+		8	2	0
	1	0	6	6

(41 × 6)
(41 × 20)

Multiply a 4-digit number by a 3-digit number:

Multiply a 4-digit number by a 2-digit number:

132×23

	Th	H	T	O
		1	3	2
x			2	3
		3	9	6
+	2	6	4	0
	3	0	3	6

1 1

(132 × 3)
(132 × 20)

$4,145 \times 52 = 215,540$

	Hth	TTh	Th	H	T	O
			4	1	4	5
x					5	2
			8	2	9	0
+	2	0	7	2	5	0
	2	1	5	5	4	0

1 1

(4,145 × 2)
(4,145 × 50)

Divide a 4-digit number by 1-digit number:

Divide with remainders:

There are 4,884 crayons and they come in packs of 4
How many packs are there?

$5,291 \div 4 = 1,322 \text{ r}3$

Thousands	Hundreds	Tens	Ones
1000 1000 1000 1000	100 100 100 100 100 100 100 100	10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1

	1	2	2	1
4	4	8	8	4

Thousands	Hundreds	Tens	Ones
1000 1000 1000 1000	100 100 100 100 100 100 100 100 100 100	10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1

	1	3	2	2
4	5	12	19	1