

Year 4 Block 4 Unit: Multiplication and Division A

Key Vocabulary:

multiply	groups of	lots of	divide	share	multiple
factor	remainder	product			

What will I know by the end of this unit?

Divide a 3-digit number by a 1-digit number:

$776 \div 4 = 194$

$400 \div 4 = 100$
 $360 \div 4 = 90$
 $16 \div 4 = 4$

$100 + 90 + 4 = 194$

Multiply a 3-digit number by a 1-digit number:

Th	H	T	O
5	4	3	
x			4
		12	(4 x 3)
	16	0	(4 x 40)
200	0	0	(4 x 500)
2172			

Th	H	T	O
	5	4	3
x			4
			12
	21	7	2
	1	1	

Multiply by 10 and 100:

Thousands	Hundreds	Tens	Ones
	● ●	● ● ● ●	

10 times the size
 $24 \times 10 = 240$

Thousands	Hundreds	Tens	Ones
● ●	● ● ● ●		

10 times the size 10 times the size 10 times the size
 $24 \times 100 = 2,400$

Divide by 1 and 100:

Hundreds	Tens	Ones
	● ● ●	●

$\div 10$ $\div 10$
 $310 \div 10 = 31$

Thousands	Hundreds	Tens	Ones
	● ● ●	●	

$\div 10$ $\div 10$
 $3,100 \div 10 = 310$

Factor pairs:

18 has 3 factor pairs.
 18 has 6 factors altogether.