



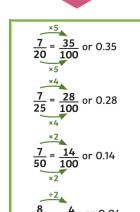
decimal place
decimal fraction
recurring decimal
equivalent fraction
tenth
sharing
partitioning
exchanging
rounding to 3d.p.
hundredth
thousandth
equal to
remainder
grouping



Year Six Decimals





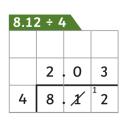


When the denominator is not a factor or multiple of 100

$\frac{7}{8} = 7 \div 8$						
	0	. 8	7	5		
8	7	⁷ 0	⁶ 0	40		

$3 + \frac{4}{10} + \frac{2}{100} + \frac{6}{1000}$ 3.426 $3 + 0.4 + 0.02 + 0.006$ $1 2 3 4 5 6 7 8 9$ $0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9$ $0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09$	Tens Ones				tenths hu		dredths	thous	thousandths	
1 2 3 4 5 6 7 8 9 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09				0.1	0.1 0.1 0	0.01	0.01			
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09	$3 + \frac{4}{10} + \frac{2}{100} + \frac{6}{1000}$ 3.426 $3 + 0.4 + 0.02 + 0.006$									
0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09	1	2	3	4	5	6	7	8	9	
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	
	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09	
0.001 0.002 0.003 0.004 0.005 0.006 0.007 0.008 0.009	0.001	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	

Dividing decimals by integers



$6.93 \div 3 = 2.31$		
Ones	tenths	hundredths
1 1	0.1 0.1	0.01
1 1	0.1 0.1	0.01
1 1	0.1 0.1	0.01



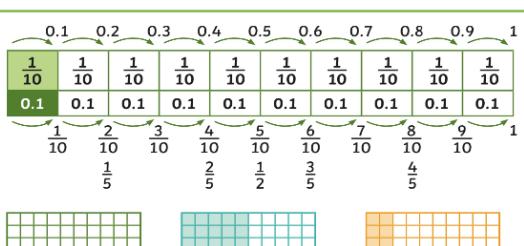


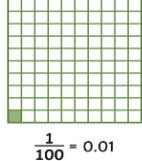
Thousands	Hundreds	Tens	Ones	tenths	hundredths	thousandths
			2	0	8	
		2 * :	0	8		
			2	0	8	
Thousands	Hundreds	Tens	Ones	tenths	hundredths	thousandths
		4	3	5		
4	× 100	5	0	•		
		4	3	÷ 100 5		
Thousands	Hundreds	Tens	Ones	tenths	hundredths	thousandths
4			1 .	. 3	5	1
1	* 10 3	oo 5	1			
			1	÷ 10	5 5	1

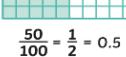
Multiplying decimals by integers

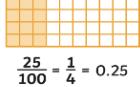
	3	. 4	5
×			3
1	0	. 3	5
	1	1	

3.21 × 3 = 9.63					
Ones	tenths	hundredths			
1 1 1	0.1	0.01			
1 1 1	0.1	0.01			
1 1 1	0.1	0.01			



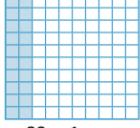








$$\frac{75}{100} = \frac{3}{4} = 0.75$$



$$\frac{20}{100} = \frac{1}{5} = 0.2$$

$$\frac{1}{3}$$
 = 0.33

$$\frac{1}{8}$$
 = 0.125

$$\frac{1}{3}$$
 = 0.33 $\frac{1}{8}$ = 0.125 $\frac{1}{1000}$ = 0.001