

Division using the expanded written method



Use the expanded written method to calculate $HTO \div O$

Challenge

1 Write the multiple of 6 that comes before each of these numbers.

a 22 b 55 c 67 d 34 e 50

2 Write the multiple of 8 that comes before each of these numbers.

a 20 b 75 c 51 d 65 e 9

3 Write the multiple of 7 that comes before each of these numbers.

a 23 b 50 c 86 d 43 e 24



Challenges
2,3

Work out the answer to each calculation using the expanded written method of division. Remember to estimate the answer first.

1 a $258 \div 3$ b $192 \div 3$

c $144 \div 3$ d $285 \div 3$

2 a $375 \div 5$ b $465 \div 5$

c $270 \div 5$ d $185 \div 5$

3 a $372 \div 6$ b $198 \div 6$

c $264 \div 6$ d $558 \div 6$

4 a $198 \div 9$ b $387 \div 9$

c $666 \div 9$ d $495 \div 9$

Example

$$252 \div 3 \rightarrow 80$$

H	T	O	
8	4		
3	2	5	2
	2	4	0
	1	2	(80 × 3)
	1	2	(4 × 3)
	0		0



Challenge
3

Check your answers from Challenges 2,3 using the inverse operation. Choose the method of multiplication you find the easiest.

