

### F01 Base 10 Blocks

1. What number is shown below? Use digits then words

1305  
One thousand, three hundred and five.

1	3	0	5
Thousands	Hundreds	Tens	Ones

Template for Base 10 Blocks

Thousands	Hundreds	Tens	Ones

Numbers written with words		
0 - zero	10 - ten	20 - twenty
1 - one	11 - eleven	30 - thirty
2 - two	12 - twelve	40 - forty
3 - three	13 - thirteen	50 - fifty
4 - four	14 - fourteen	60 - sixty
5 - five	15 - fifteen	70 - seventy
6 - six	16 - sixteen	80 - eighty
7 - seven	17 - seventeen	90 - ninety
8 - eight	18 - eighteen	
9 - nine	19 - nineteen	
Bigger Numbers		
100 - one hundred	1000 - one thousand	

### F02a Multiplying by 10 and 100

2. a. Calculate  $4000 \times 10$

40 000

Multiplying by 10	
$1 \times 10 = 10$	
$10 \times 10 = 100$	
$100 \times 10 = 1000$	
$1000 \times 10 = 10\,000$	
$10\,000 \times 10 = 100\,000$	

2. a. Calculate  $90 \times 100$

9 000

Multiplying by 100	
$1 \times 100 = 100$	
$10 \times 100 = 1000$	
$100 \times 100 = 10\,000$	
$1000 \times 100 = 100\,000$	
$10\,000 \times 100 = 1\,000\,000$	

### F02b Rounding Whole Numbers

b. Round 3912 to the nearest hundred.

3900



Rounding Rules	
If next digit is smaller than 5	→ round down
If next digit is 5 or bigger	→ round up

b. Round 25 to the nearest ten.

30



**Glossary word:**  
Rounding

**Definition:** Rounding is the process of approximating a number by removing smaller place value parts.

**Example:** After rounding to the nearest hundred 2642 becomes 2600

### F03 Mental Addition

**Counting on** is a process where you start with one number then count on by the other. Starting with the bigger number is quicker as the smaller your count on number, the quicker you'll reach the answer.

**Build to a multiple of 10** is a strategy where you

1. Start with the bigger number
2. Work out how far off a multiple of 10 it is
3. Break down the smaller number so you can build to the multiple 10
4. Add on the left over part

**Breaking down numbers by place value** is a strategy where you

1. Add the tens
2. Add the ones
3. Combine the totals

a.  $6 + 2 = 8$

||||| |||

b.  $8 + 9 = 17$

$8 + 9 = 8 + 2 + 7 = 10 + 7 = 17$

c.  $38 + 4 = 42$

$38 + 2 + 2$

d.  $45 + 48 = 93$

$40 + 40 = 80$   
 $8 + 5 = 13$   
} 93