Level 3 PROMPT sheet

3/1 <u>Place value</u>

The position of the digit gives its size

thousands	hundreds	tens	units	•	tenths	hundredths
4	3	5	2	•	6	1

<u>Example</u>

The value of the digit '4' is 4000 The value of the digit '3' is 300



3/3 <u>Multiples</u>

• Multiples are the number sequences that make up the tables Example The multiples of 2 are: 2 4 6 8 10 ... The multiples of 5 are: 10 15 20 5 25 ••• The multiples of 10 are: 10 20 30 40 50 •••



3/5 <u>Decimals</u>

• Decimals and money

£3.00 means 300p £3.50 means 350p £3.05 means 305p

<u>Remember</u>

1.23 m

A calculator does not know if the numbers you put in are money so £3.50 will look like 3.5

1.65 m

• Ordering Decimals

1.23 m ↓ 1.23 m	1.6 m ↓ 1.60 m	1.65 m ↓ 1.65 m	1.3 m ↓ 1.30 m
Make the	e number of	f digits the order them	same, it is easier to
Smallest			► Largest

3/6 Know the 3, 4 and 6 times tables

1.30 m 1.60 m

1	х	3	=	3			1	x	4	=	4
2	х	3	=	6			2	x	4	=	8
3	х	3	=	9			3	x	4	=	12
4	х	3	=	12			4	х	4	=	16
5	х	3	=	15			5	х	4	=	20
6	х	3	=	18			6	х	4	=	24
7	х	3	=	21			7	х	4	=	28
8	х	3	=	24			8	х	4	=	32
9	х	3	=	27			9	х	4	=	36
10	х	3	=	30			10	х	4	=	40
			_						_		
				1	х	6	=	6			
				2	х	6	=	12			
				3	х	6	=	18			
				4	х	6	=	24			
				5	х	6	=	30			
				6	х	6	=	36			
				7	х	6	=	42			
				8	х	6	=	48			
				9	х	6	=	54			
				10	х	6	=	60			

3/7 Division facts from a multiplication

Any multiplication sum can be written as 2 division sums



3/8 Balancing a sum

left hand side is equal to right hand side

$$3 \times 4 = 12$$

This can be used to find missing numbers





3/11 Solve problems

- When to multiply and when to divide
- When to round up and when to round down

Here is an example



There are 17 children in the playground. Each bench in the yard can seat 3 children. How many benches will be needed?

$17 \div 3 = 5 r 2$

- We need to divide to share the children around the benches
- We need to round up to 6 benches for the remaining 2

Here is another example

Dan made 47 cakes. He sells them in boxes of 6. How many full boxes will we have?



$46 \div 6 = 7 r 4$

- He needs to divide to share the cakes into boxes
- He needs to round down to 7 boxes because he needs to have 6 cakes in each box



3/13 Methods for multiplying		
38 x 3		
<u>Column method</u>		
3 8		
<u>2 3 ×</u>		
114		
Grid method		
30 8		
3 90 24		
90 + 24 = <u>114</u>		
Partitioning method		
38 x 3	3	
= 30 ×3	+ 8 x 3	
= 90	+ 24	
= 114		
<u>To multiply by 10</u> Move all the digits along one place to the Remember to put a zero in the units.	left.	

Н	Т	U
	З	0
3	0	0

 $30 \times 10 = 300$

3/13 Methods for dividing



```
8 \times 3 = 24 So 25 \div 3 = 8 r 1
```

To divide by 10

Move all the digits along one place to the right.

Н	Т	U
	3	0
		3

 $30 \div 10 = 3$









MEASURES OF LIQUID(Capacity) 5 millilitre spoon 1 litre = 1000ml 1 litre = 1000ml

3/19 Other units of measure

<u>PERIMETER</u> is the distance round the outside of a shape

Perimeter of this shape = 12cm



<u>AREA</u> is the number of squares **INSIDE** Area of this shape = 5 cm^2





3/20 Gather information

To record the number of birds in the garden

Type of bird	Tally	Number of birds
Blackbird		10
Blue-tit		4
Starling		2
Sparrow		3
Other		1



3/21 Construct pictogram

This question is about the number of bags of sugar you could buy with £10

Key: sugar = 4 bags				
Number of bags				
Sugar Sugar Sugar				
Sugar Sugar Sugar				

Do not forget the KEY

