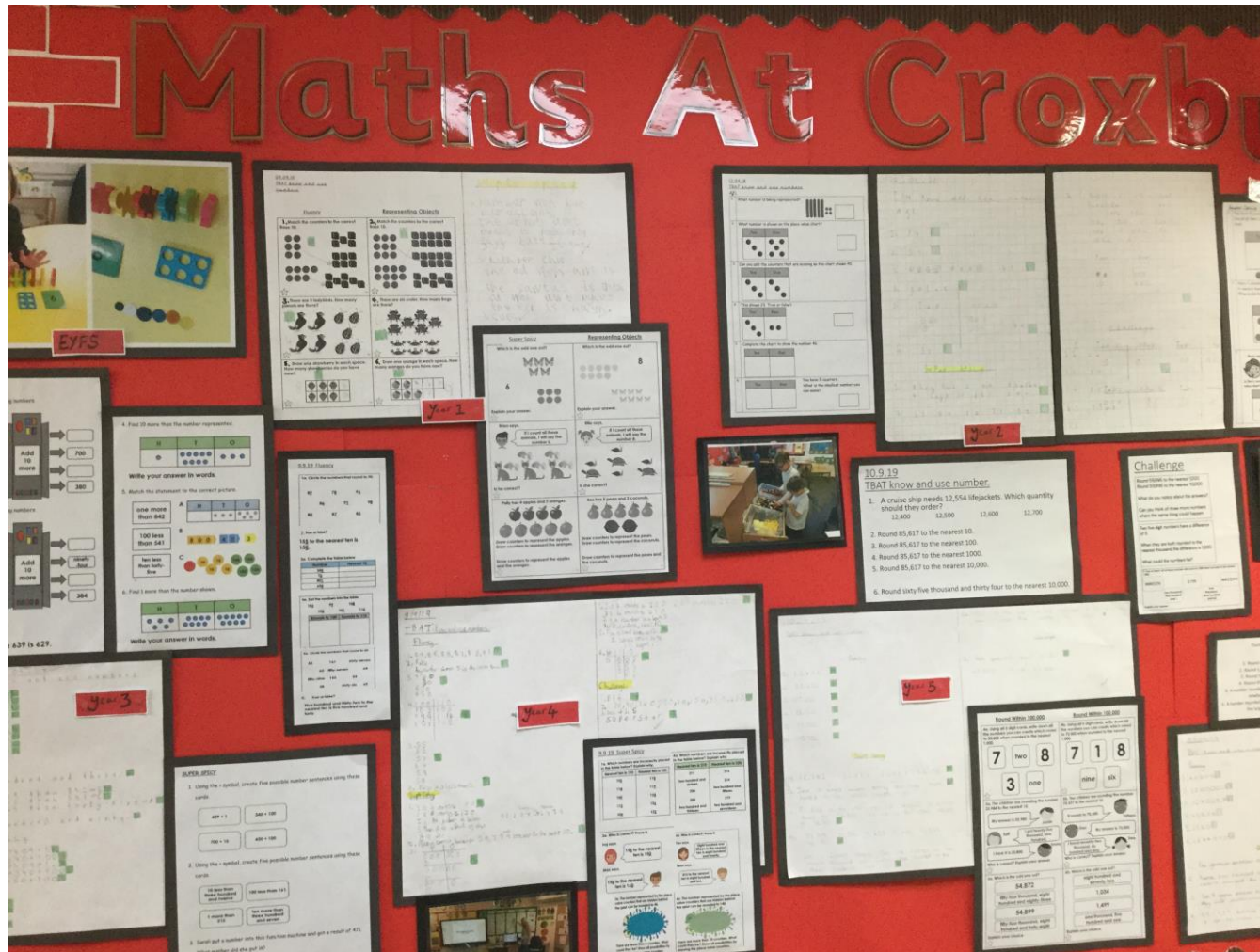


# Maths Progression Booklet

## *To know and understand number*



## Foundation stage:



*Our EYFS children have been counting reliably with numbers from 1 to 20, placing them in order and saying which number is one more or one less than a given number.*

## Key Vocabulary

*Count, represent, objects, ones.*

# Year 1:

09.09.19  
IBAT know and use numbers

**Fluency**

1. Match the counters to the correct Base 10.

2. Match the counters to the correct Base 10.

3. There are 5 ladybirds. How many parrots are there?

4. There are six crabs. How many frogs are there?

5. Draw one strawberry in each space. How many strawberries do you have now?

6. Draw one orange in each space. How many oranges do you have now?

**Representing Objects**

1. number woh but  
but as lghs, is  
the od woh awt  
bycos it has only  
fays bute fighs

2. number chw  
the od woh awt  
the sawtus is t  
ad woh awt byco  
the err is hayn  
3. 5015 ✓

Super Spicy

Which is the odd one out?

6

Represe

Which is the o

Year 1

*Year 1 have been identifying and representing numbers using objects and pictures. They have also been reading and writing numbers to 20 in objects and words.*

## Key Vocabulary

*Equal to, more than, less than, most*

## Year 2:

12.09.18

What know and use numbers

Age 1

- 54
- 35
- 0000 0000 45
- gals
- Tens ones  
000 000 46
- 50

Super Spicy

- they have 2 out there
- 55 60 70 80 90

3. Boris is in fact because 80 has 3 tens and 8 one not 8 tens and 8 one it  
Wd = 83.  
Tens ones  
00 000  
0 000

challenge

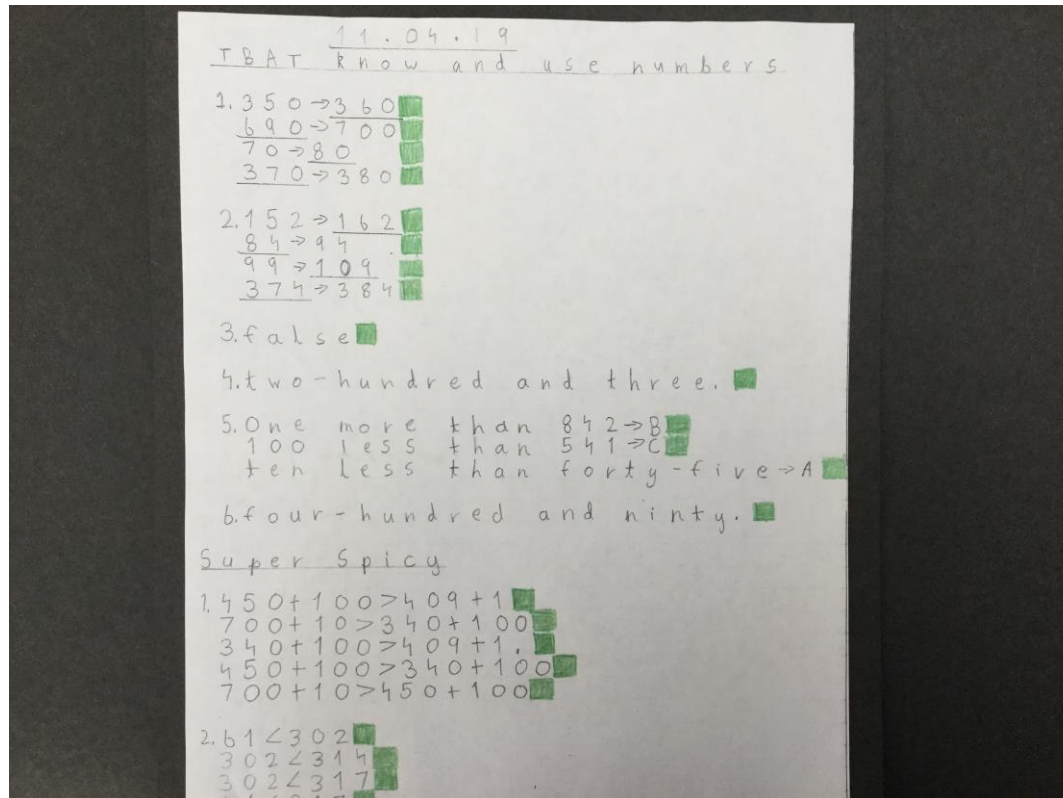
|    | Tens | ones | Tens | ones |
|----|------|------|------|------|
| 11 | 6    | 0    | 00   | 00   |
| 33 | 7    | 7    |      |      |
| 22 | 8    | 8    | Tens | ones |
| 43 | 9    | 9    | 00   | 00   |
| 55 |      |      |      |      |

Year 2 have been recognising the place value of a digit in a two-digit number and comparing and ordering numbers from 0 to 100.

## Key Vocabulary

Compare, order, less than, greater than, equal to, tens, ones.

## Year 3:



*Year 3 have been recognising the place value of each digit in a three-digit number and also comparing and ordering numbers up to 1000.*

### Key Vocabulary

*Compare, order, less than, greater than, equal to, hundreds, tens, ones, place value.*

# Year 4:

9/9/19

T B A I: Know and use numbers

Fluency

1. 9, 8, 6, 9, 8, 8, 7, 6, 5, 9
2. False  
Any number above 5 is the next ten.
3.  $\begin{array}{r} 30 \\ 800 \\ 650 \end{array}$
4.  $\begin{array}{r|l} 100 & 10 \\ 103 & 105 \\ 099 & 114 \\ 101 & 108 \end{array}$
5.  $\begin{array}{r} 55 \\ 62 \\ 57 \\ 64 \\ 59 \\ 58 \end{array}$
6. False it is less than 5.

Super Spag

1. 104 rounds to 100  
126 rounds to 130  
If the number is below 5 then it is a part of what it is in.
2. Maths correct because 5, 6, 7, 8, 9 round to the next 10.
3.  $\begin{array}{r|l} 000 & 000 \\ 0 & 000 \\ 000 & 000 \\ 0 & 000 \\ 000 & 0 \end{array}$

4. 204 rounds to 200 219 rounds to 220  
214 rounds to 210  
If a number is above 5 then it is the next 10.  
5. Fun to read because 11.  
2. 3 and 4 round to the next 10 before.

6. #  $\begin{array}{r|l} 10 & 0 \\ 6 & 0000 \\ & 0000 \\ & 0000 \\ & 0000 \\ & 0 \end{array}$

Challenge

1. 616
2. 170, 90, 340, 590, 20, 150, 310, 430
3. Maths

SUPER SPAG ✓

Year 4 have been recognising the place value of each digit in a 4-digit number, ordering and comparing numbers beyond 1000 and rounding any number to the nearest 10, 100 or 1000.

## Key Vocabulary

Compare, order, less than, greater than, equal to, thousands, hundreds, tens, ones, place value, rounds to, multiple.

## Year 5:

10.9.19

TBAT: Value and use number

Fluency

- 12,600
- 85,620
- 85,600
- 86,000
- 90,000
- 70,000

Super Spicy

4a. 32,782   32,871   32,817   32,718

5a. Jane is correct because emmy and eoff both rounded to the nearest hundred not 10.

6a. 54,248 is the odd one out because it rounds down to 54,000 and all of the others round to 54,900.

4b. 71,926   71,896   71,689   71,898   71,869  
71,900

7b. Dan is correct because Dan has rounded to the nearest thousand and Zaira has rounded to the nearest hundred not 10.

6b. 1501 is the odd one out because it is the only number that rounds to 2000.

Challenge

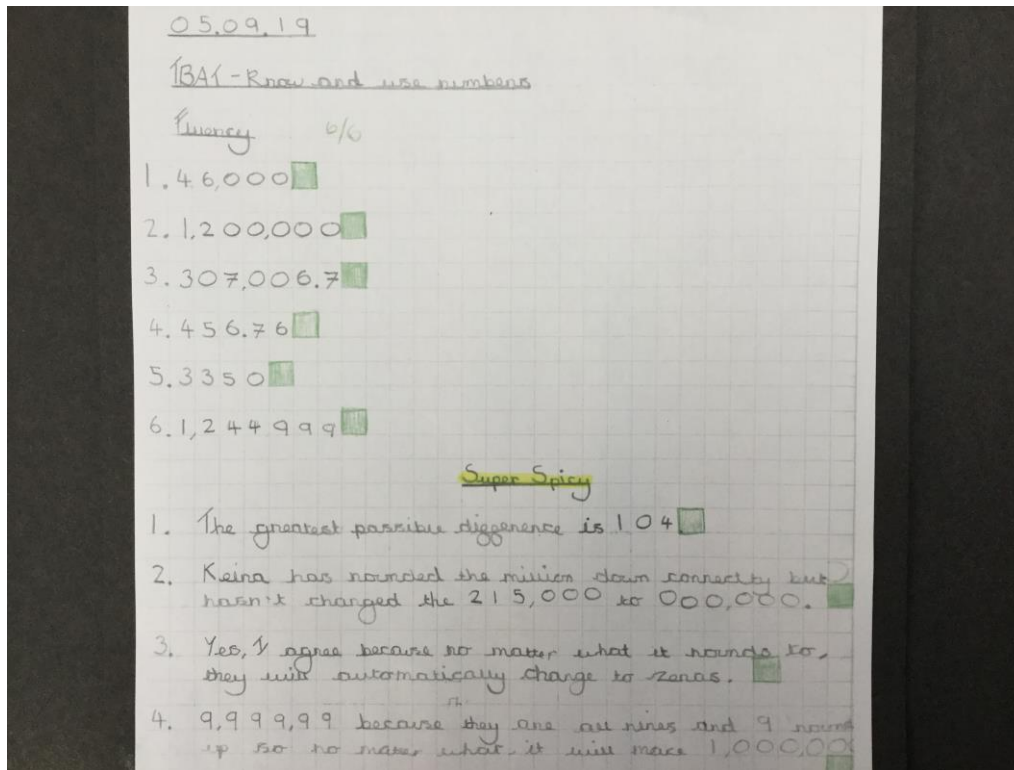
1. Both questions equal 60,000  
49,997   74,998   81,999

Year 5 have been reading, writing, ordering and comparing numbers to 1,000,000 and determining the value of each digit. They have also been rounding any number up to 1,000,000 to the nearest 10, 100, 1000, 10000 or 100000.

## Key Vocabulary

Compare, order, less than, greater than, equal to, hundred thousand, ten thousand, thousands, hundreds, tens, ones, place value, rounds to, multiple.

## Year 6:



Year 6 have been reading, writing, ordering and comparing numbers up to 10,000,000 and determining the value of each digit. They have also been rounding any whole number to a required degree of accuracy.

## Key Vocabulary

Compare, order, less than, greater than, equal to, million, hundred thousand, ten thousand, thousands, hundreds, tens, ones, place value, rounds to, multiple.