**Place Value**

**Day 1**

LO: To read and write numbers with up to 7-digits, understanding what each digit represents

**Activity 1:**

Use mental strategies to add/subtract these numbers – look carefully to see whether it is add or subtract!

e.g. 7,006.004 + 20,000 + 300 = 7, 026, 304

1. 3,840,050 + 6000 + 300 + 7 =
2. 8,994,738 – 30,000 – 4000 – 3 =
3. 6,231,956 – 100,000 – 20,000 – 30 =
4. 4,121,622 + 600,000 + 3000 + 4 =
5. 8,035,562 – 5,000,000 – 20,000 – 60 =

**Activity 2:**

Subtract the 4 from each of these numbers

e.g. 7,184,639 – the 4 = 4,000 so 7,184,639 – 4,000 = 7,180,639

1. 8,241,876
2. 2,491,068
3. 1,777,040
4. 3,552,402
5. 6,249,899

**Activity 3:**

As Activity 2, but this time subtract the 4s and the 2s!

e.g. 4,304,328 – 4,000,000 – 4000 – 20 = 300,308

1. 7,402,924
2. 4,223,864
3. 2,347,256
4. 3,421,248
5. 2,142,256
6. 5,444,242

**Day 2**

LO: To round large numbers to the nearest million

**Activity 1:**

Round each of these numbers to the nearest million.

e.g. 2,384,689 rounds to 2 million, because the hundred thousand digit is a 3.

*Remember, digits 0, 1, 2, 3 and 4 round down and digits 5, 6, 7, 8 and 9 round up.*

1. 7,233,563
2. 3,811,642
3. 6,582,684
4. 3,497,992
5. 4,268,773
6. 8,099,486
7. 5,583,532
8. 9,646,101

**Activity 2:**

Using the attached sheet Maths rounding, cut out the cards and arrange them in a circle so that you match the questions and answers next to each other (like dominoes!)

I have also attached the answers, but no peeking until you have had a go!

**Day 3**

LO: To solve subtraction of 5- and 6-digit numbers using a written column method (decomposition)

**Activity 1:**

Please complete the questions on the attached sheet: Maths Subtraction

**Activity 2:**

Some challenges to complete:

1. Using the digits 0-9, write a 5-digit subtract 5-digit calculation that gives the smallest possible answer.
2. What number must be subtracted from 111,111 to give the answer 99,999?
3. Using just the digits 0 and 1, create a 6-digit subtract 5-digit calculation with an answer of 99,109.

**Day 4**

Place value investigation focus:

Have a go at the attached “Mobile Differences” problem solving investigation.