Canonbury Home Learning
Year 2/3 Maths
Steppingstone activity
Lesson 3 – 15.07.2020
LO: Problem Solving
Success Criteria:

1.	Read the explanation – Can you arrange the digits 0 – 9 to make 2-digit numbers as close to the targets as possible?
2.	Make your own number cards 0 – 9, that way you can play around with different amounts until you feel you have the best one for each target
3.	Write down your best solution in your work book

You have a set of the digits from 0 - 9.

0	1	2	3	4	5	6	7	8	9

Can you arrange these digits in the five boxes below to make two-digit numbers as close to the targets as possible? You may use each digit once only.

largest even number ☐☐

largest odd number ☐☐

smallest odd number ☐☐

largest multiple of 5 ☐☐

number closest to 50 ☐☐

1. Begin with Task 1 – try to use a systematic method (using a pattern to make sure you get all the possible answers) and find as many ways as you can
2. Then have a go at Task 2 – use a systematic method to find as many ways as possible

Card sharp

Take ten cards numbered 0 to 9.

1. Pick three cards with a total of 12.
   You can do it in 10 different ways.
   See if you can record them all.

2. Now pick four cards with a total of 12.
   How many different ways can you do it?

3. Can you pick five cards with a total of 12?

Spaceship

Some Tripods and Bipods flew from planet Zeno.
There were at least two of each of them.

Tripods have 3 legs.
Bipods have 2 legs.
There were 23 legs altogether.

How many Tripods were there?
How many Bipods?

Find two different answers.