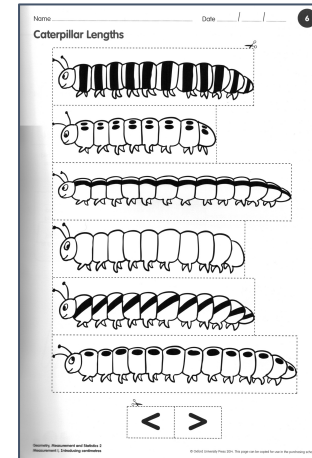# Activity cards for

GMS2 and NPC 2

MEA1 (Review) and CAL 4

Measuring Caterpillars
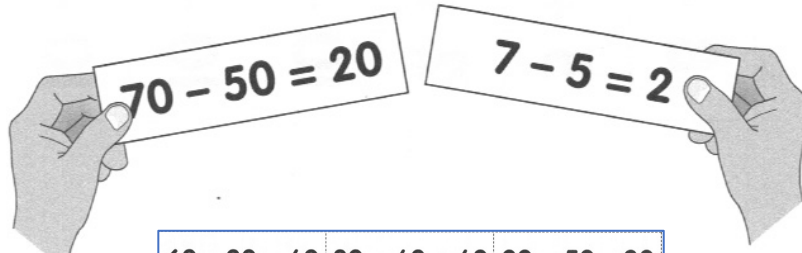

Shorter than

<

Longer than

>

1. Cut out the caterpillars and the < and > signs

2. Put the caterpillars in order of length. Which is the longest? The shortest?

3. Choose two caterpillars. Use the < sign to show which is the shorter caterpillar.

4. Choose two caterpillars. Use the > sign to show which is the longer caterpillar.
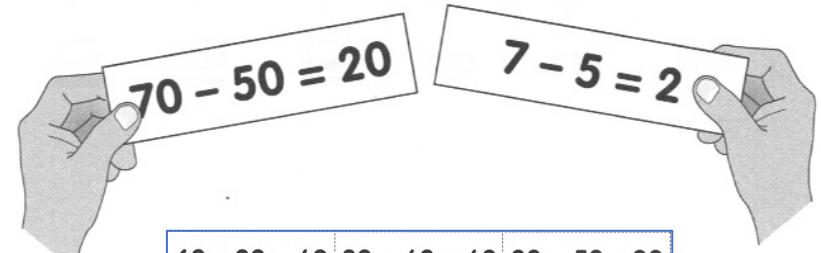
5. Do this five times.

Memory

70 – 50 = 20   7 – 5 = 2

60 – 20 = 40	80 = 40 + 40	20 = 50 – 30
90 = 20 + 70	30 = 60 – 30	70 = 60 + 10
70 – 50 = 20	50 + 30 = 80	90 – 40 = 50
6 – 2 = 4	8 = 4 + 4	2 = 5 – 3
9 = 2 + 7	3 = 6 – 3	7 = 6 + 1
7 – 5 = 2	5 + 3 = 8	9 – 4 = 5

1. Cut out the cards and play a memory game

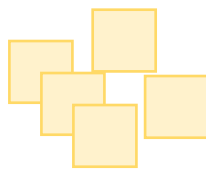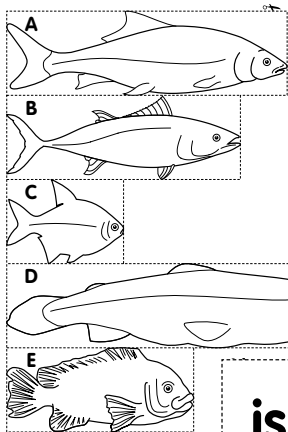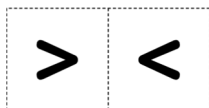2. Put the cards face down on the table.
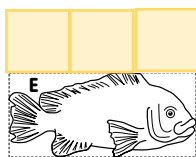
3. Find the matching pairs!

i

Use 'one' rods for measuring
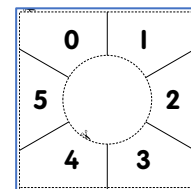
> <

is longer than | **is shorter than**

It may not be exact because of the photocopying!

1. Measure the fish using rods and rulers.

2. In your books, draw and name five fish. Write the length beside each fish.

3. Write four sentences about the fish using the words and signs above

ii
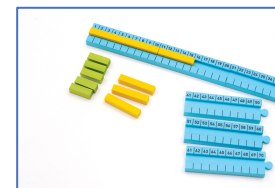
Paper strips

1. Each person rolls the dice or uses the spinner to show a number. (1 – 5 and 6 - 10)

2. Find the rods and join them. Find the total rod.

3. "___ and ___ makes ___ centimetres"

4. Now measure with a ruler and cut paper strips for the total length. Mark in the two parts. Glue them in your books

5. Do this 5 times.

A

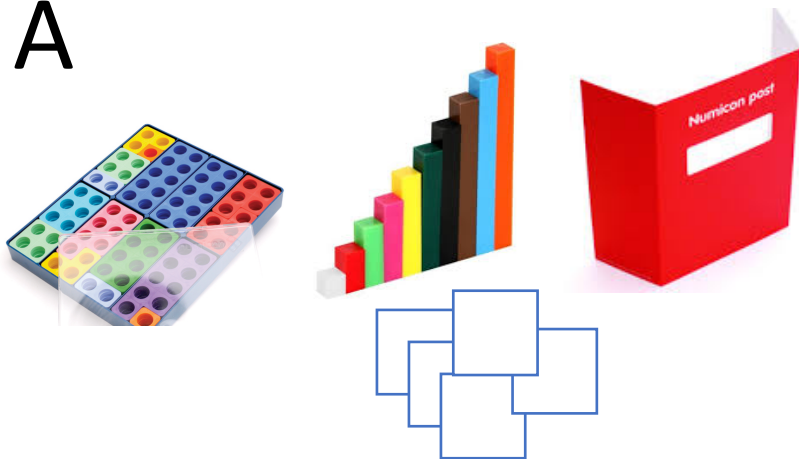|		
0 + 0 =	1 + 1 =	2 + 3 =
0 + 1 =	1 + 2 =	2 + 4 =
0 + 2 =	1 + 3 =	2 + 5 =
0 + 3 =	1 + 4 =	2 + 6 =
0 + 4 =	1 + 5 =	2 + 7 =
0 + 5 =	1 + 6 =	2 + 8 =
0 + 6 =		
0 + 7 =		
0 + 8 =		
0 + 9 =		
0 + 10 =		
1 + 0 =		

3 + 6 =	5 + 3 =	8 + 0 =
3 + 7 =	5 + 4 =	8 + 1 =
4 + 0 =	5 + 5 =	8 + 2 =
4 + 1 =	6 + 0 =	9 + 0 =
4 + 2 =	6 + 1 =	9 + 1 =
4 + 3 =	6 + 2 =	10 + 0 =
4 + 4 =	6 + 3 =	□+□=
4 + 5 =	6 + 4 =	□+□=
4 + 6 =	7 + 0 =	□+□=
5 + 0 =	7 + 1 =	□+□=
5 + 1 =	7 + 2 =	□+□=
5 + 2 =	7 + 3 =	□+□=

Take turns with this game.

1. Person 1 posts one of the number sentence cards through the Post Box. For example 2 + 3 = 5

2. Person 2 The other person posts back the tens version. For example 20 + 30 = 50

3. You can check with the shapes or rods

4. Write down the number sentences in your books

Do this five times.

B

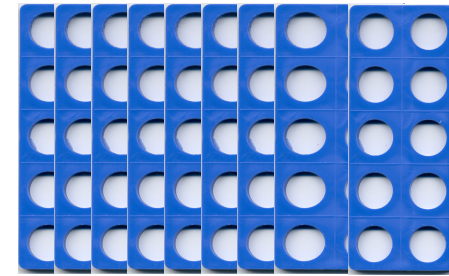|		
0 + 0 =	1 + 1 =	2 + 3 =
0 + 1 =	1 + 2 =	2 + 4 =
0 + 2 =	1 + 3 =	2 + 5 =
0 + 3 =	1 + 4 =	2 + 6 =
0 + 4 =	1 + 5 =	2 + 7 =
0 + 5 =	1 + 6 =	2 + 8 =
0 + 6 =	1 + 7 =	3 + 0 =
0 + 7 =	1 + 8 =	3 + 1 =
0 + 8 =	1 + 9 =	3 + 2 =
0 + 9 =	2 + 0 =	3 + 3 =
0 + 10 =	2 + 1 =	3 + 4 =
1 + 0 =	2 + 2 =	3 + 5 =

0 + 10 =	10 + 20 =	20 + 40 =
0 + 20 =	10 + 30 =	20 + 50 =
0 + 30 =	10 + 40 =	20 + 60 =
0 + 40 =	10 + 50 =	20 + 70 =
0 + 50 =	10 + 60 =	20 + 80 =
0 + 60 =	10 + 70 =	30 + 0 =
0 + 70 =	10 + 80 =	30 + 10 =
0 + 80 =	10 + 90 =	30 + 20 =
0 + 90 =	20 + 0 =	30 + 30 =
0 + 100 =	20 + 10 =	30 + 40 =
10 + 0 =	20 + 20 =	30 + 50 =
10 + 10 =	20 + 30 =	30 + 60 =

1. Shuffle the cards together.

2. Race to find the matching pair! Turn over two cards at a time. If they match, keep them. If not, return them to the pile.
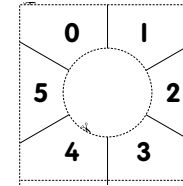
C

Take turns with this game.

1. Put all the shapes from above to hide in the Feely Bag.

2. Choose two shapes.

3. "_____ and _____ makes _____."

4. Write it down as a number sentence in your books. Write the tens number sentence to match. 4 = 5 = 9 so 40 + 50 = 90

5. Do this 10 times.

D

9 'ten' shapes

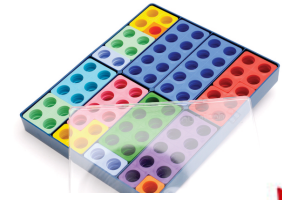| Tens	Ones

Spinner showing 0 - 5

1. Person 1. Spin the spinner and take that number of ten shapes. Put them in the frame.

2. Person 2. Spin the spinner and take that number of ten shapes. Put them in the frame

3. How many do you have altogether?
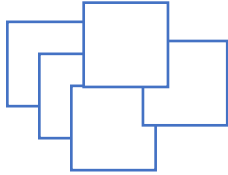4. Say and write that number sentence in your books. For example,

Do this ten times

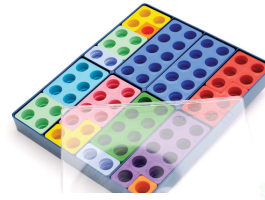$$\begin{array}{r} 30 \\ +40 \\ \hline 70 \end{array}$$

E

0 – 0 =	4 – 2 =	6 – 3 =
1 – 0 =	4 – 3 =	6 – 4 =
1 – 1 =	4 – 4 =	
2 – 0 =	5 – 0 =	
2 – 1 =	5 – 1 =	
2 – 2 =	5 – 2 =	
3 – 0 =	5 – 3 =	
3 – 1 =	5 – 4 =	
3 – 2 =	5 – 5 =	
3 – 3 =	6 – 0 =	
4 – 0 =	6 – 1 =	
4 – 1 =	6 – 2 =	

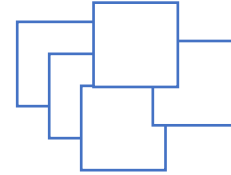| 8 – 0 = | 9 – 3 = | 10 – 5 = |
8 – 1 =	9 – 4 =	10 – 6 =
8 – 2 =	9 – 5 =	10 – 7 =
8 – 3 =	9 – 6 =	10 – 8 =
8 – 4 =	9 – 7 =	10 – 9 =
8 – 5 =	9 – 8 =	10 – 10 =
8 – 6 =	9 – 9 =	□ – □ =
8 – 7 =	10 – 0 =	□ – □ =
8 – 8 =	10 – 1 =	□ – □ =
9 – 0 =	10 – 2 =	□ – □ =
9 – 1 =	10 – 3 =	□ – □ =
9 – 2 =	10 – 4 =	□ – □ =

1. Person 1. Post a card through the Post Box.

2. Person 2. Write the answer on the paper and posts it back.
3. Both Persons check with shapes or rods.

Do this ten times

F

0 – 0 =	4 – 2 =	6 – 3 =
1 – 0 =	4 – 3 =	6 – 4 =
1 – 1 =	4 – 4 =	
2 – 0 =	5 – 0 =	
2 – 1 =	5 – 1 =	
2 – 2 =	5 – 2 =	
3 – 0 =	5 – 3 =	
3 – 1 =	5 – 4 =	
3 – 2 =	5 – 5 =	
3 – 3 =	6 – 0 =	
4 – 0 =	6 – 1 =	
4 – 1 =	6 – 2 =	

0 – 0 =	40 – 30 =	60 – 40 =
0 – 10 =	40 – 40 =	60 – 50 =
0 – 0 =	50 – 0 =	60 – 60 =
0 – 10 =	50 – 10 =	70 – 0 =
0 – 20 =	50 – 20 =	70 – 10 =
0 – 0 =	50 – 30 =	70 – 20 =
0 – 10 =	50 – 40 =	70 – 30 =
0 – 20 =	50 – 50 =	70 – 40 =
0 – 30 =	60 – 0 =	70 – 50 =
0 – 0 =	60 – 10 =	70 – 60 =
0 – 10 =	60 – 20 =	70 – 70 =
0 – 20 =	60 – 30 =	80 – 0 =

1. Person 1. Post a card through the Post Box.

2. Person 2. Write the answer on the paper and adds the tens and posts it back. For example 2 + 6, so, 20 + 60 = 80

3. Both Persons check with shapes or rods.
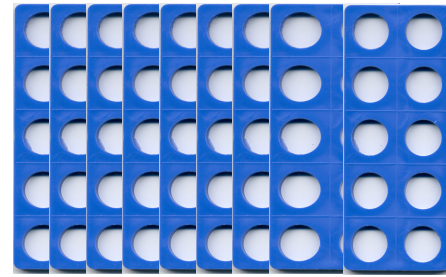
Do this ten times

G
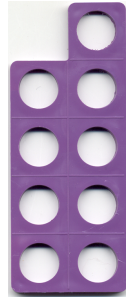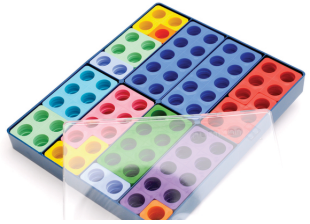
1. Take out 1 of shapes 1 - 9

2. Hide the shapes 1 – 8 in the Feely Bag

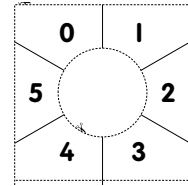3. Keep out the 9-shape

Take turns with this game.

1. Person 1 takes a shape out of the bag.

2. Person 2 puts it on top of the 9-shape. What subtraction can you see?

3. Write it down as a number sentence and the tens number sentence in your books like this: 9 – 4 = 5, 90 – 40 = 50

4. Do this 10 times.

H

9 'ten' shapes

Tens	Ones

Spinner showing 0 - 5

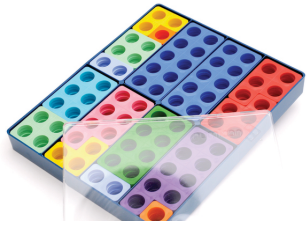**Take turns with this game.**

1. Person 1. Choose the number of tens to put in the frame. Write down the number.

2. Person 2. Spin the spinner and take that number of ten shapes out of the frame.

3. What subtraction did you do together?

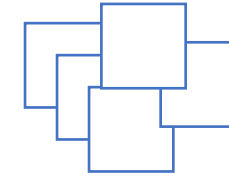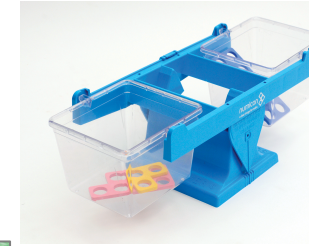4. Say and write that number sentence in your books. For example,

$$\begin{array}{r} 90 \\ -40 \\ \hline 50 \end{array}$$

Do this ten times

I

0	10	20	30
0	10	20	30
40	50	60	70
40	50	60	70
80	90	100	
80	90	100	

Take turns with this game.

1. Person 1 puts shapes or rods into the Feely Bag.

2. Person 2 takes two different shapes out.

3. Tell each other tens number sentences with **Subtraction** like, 30 – 20 = 10

4. Do this 5 times.

J

0 + 10=	10 + 20=	20 + 40 =
0 + 20=	10 + 30=	20 + 50=
0 + 30=	10 + 40=	20 + 60=
0 + 40=	10 + 50=	20 + 70=
0 + 50=	10 + 60=	20 + 80=
0 + 60=	10 + 70=	30 + 0 =
0 + 70=	10 + 80=	30 + 10=
0 + 80=	10 + 90=	30 + 20=
0 + 90=	20 + 0 =	30 + 30=
0+100=	20 + 10=	30 + 40=
10 + 0 =	20 + 20=	30 + 50=
10 + 10=	20 + 30=	30 + 60=

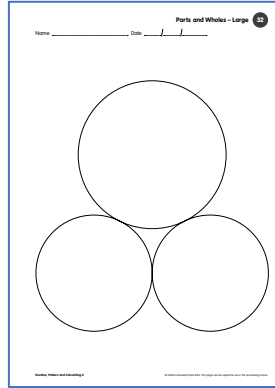| 0	10	20	30
0	10	20	30
40	50	60	70
40	50	60	70
80	90	100	
80	90	100	

Take turns with this game.

1. Person 1 Takes a card from the pile that is shuffled and face down. Hide it!

   Write down an empty box problem for person 2 to solve. For example, 20 + 30 = becomes 20 + **?** = 50

2. Person 2 solves the problem and proves it with the shapes or rods and pan balance
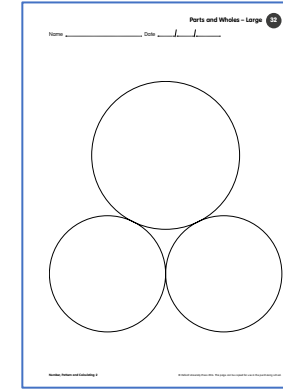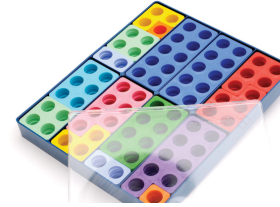
3. Do this 5 times.

JJ

0	10	20	30
0	10	20	30
40	50	60	70
40	50	60	70
80	90	100	
80	90	100	

Shuffle the number cards

Take turns with this game.

1. Person 1 puts one shape into the top circle.

2. Person 2 finds smaller shapes or rods and to put into the smaller circles to make the addition pattern correct

3. Tell each other tens number stories with **Addition**

4. Do this 5 times.

KK

0	10	20	30
0	10	20	30
40	50	60	70
40	50	60	70
80	90	100	
80	90	100	

Shuffle the number cards

Take turns with this game.

1. Person 1 puts one shape into one of the circles.

2. Person 2 finds a smaller shape or rod and puts it into a different circle.

3. Person 1 finds another shape or rod to complete the set.

4. Tell each other tens number stories with **Subtraction**

5. Do this 5 times.

K
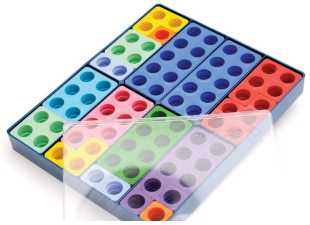
0	1	2	3
0	1	2	3
4	5	6	7
4	5	6	7
8	9	10	
8	9	10	

0	10	20	30
0	10	20	30
40	50	60	70
40	50	60	70
80	90	100	
80	90	100	

+	−	=

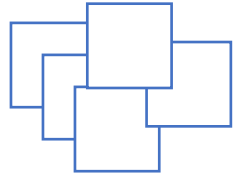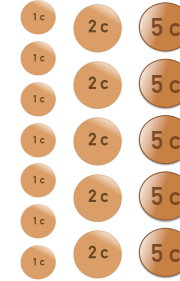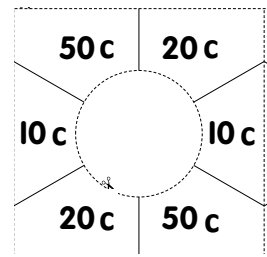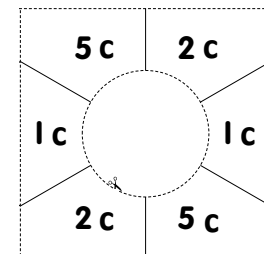**Take turns with this game to make addition and subtraction sentences.**

1. Person 1 puts shapes or rods into a number sentence using the cards 0 – 9 above with all possibilities.

   For example 10 – 6 = 4 and 10 – 4 = 6

2. Person 2 makes the same sentence with the tens

   Do this ten times.

L

Take turns with this game.

Use counters with 1, 2 and 5 written to make the 1c, 2c, 5c coins. Use lots of coins 10c, 20c, 50c.
You could use dollars instead of cents too!

Game 1: Person 1. Use 1, 2, 5 Cents: Spin and find the matching coin. Find another way to make the equal value with other coins. 5c = 2c + 2c + 1c

Person 2 does the same thing with the 10c, 20c, 50c

Game 2: Person 2. Use 10, 20, 50 Cents: Spin and find the matching coin. Find another way to make the equal value with other coins. 50c = 20c + 20c + 10c

# M
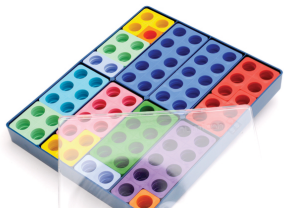
0 + 10 =	10 + 20 =	20 + 40 =
0 + 20 =	10 + 30 =	20 + 50 =
0 + 30 =	10 + 40 =	20 + 60 =
0 + 40 =	10 + 50 =	20 + 70 =
0 + 50 =	10 + 60 =	20 + 80 =
0 + 60 =	10 + 70 =	30 + 0 =
0 + 70 =	10 + 80 =	30 + 10 =
0 + 80 =	10 + 90 =	30 + 20 =
0 + 90 =	20 + 0 =	30 + 30 =
0 + 100 =	20 + 10 =	30 + 40 =
10 + 0 =	20 + 20 =	30 + 50 =
10 + 10 =	20 + 30 =	30 + 60 =

Take turns with this game.

1. Person 1 puts shapes or rods into the Feely Bag.

2. Person 2 takes two different shapes/rods out.

3. Tell each other money number sentences AND stories with **Subtraction** like, $30 – $20 = ? for the other person to work out

4. Do this 5 times.

N
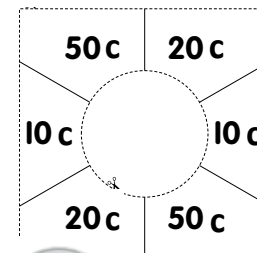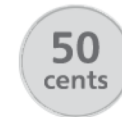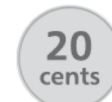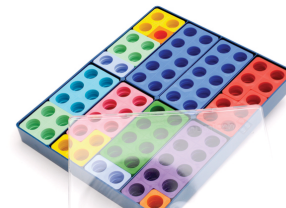
Take turns with this game.

1. Person 1 Spin the spinner two times

    Total the money!

2. Person 2 Spin the spinner two times.

    Total the money!

3. How much more does the other one have?

4. Write down your addition sentences and totals.

5. Then the difference. $80 + ? = $90

6. Do it five times!