



THIRD SPACE
LEARNING

Year 1

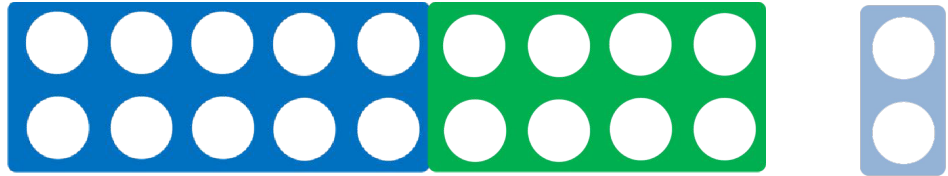
Week 5



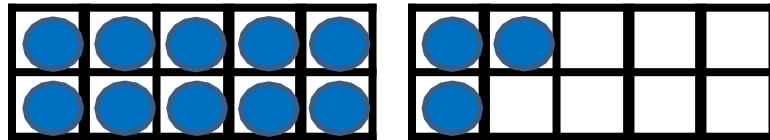
Week 5 – Day 1

THIRD SPACE
LEARNING

$$A. 18 + 2 = ?$$



$$B. 13 - 1 = ?$$



$$C. 5 + ? = 10$$

Use...



Number shapes

to help you



Week 5 – Day 1

THIRD SPACE
LEARNING

Put the correct number in each box

D.

$$\begin{array}{c} \star \\ \square \end{array} + \begin{array}{c} \star \star \\ \star \star \\ \star \star \end{array} = \begin{array}{c} \star \star \star \\ \star \star \star \end{array}$$

E.

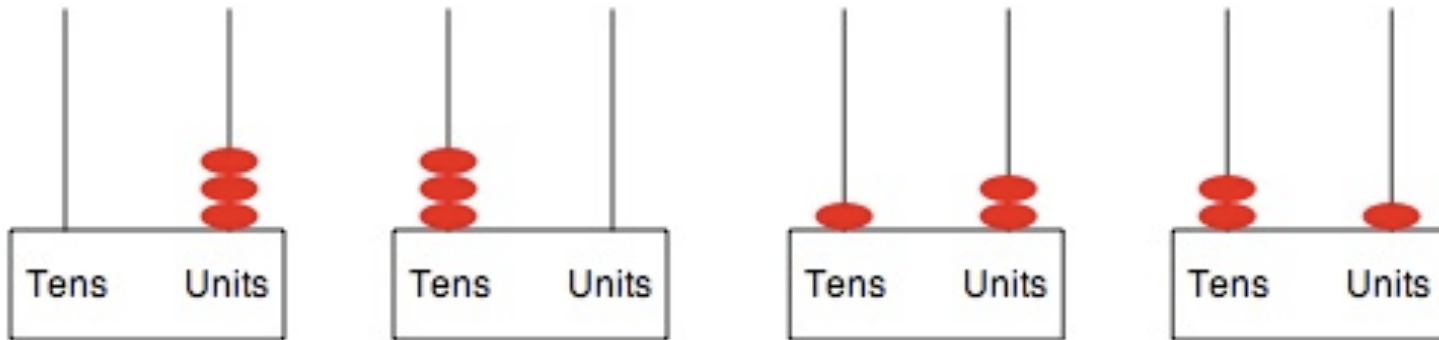
$$\begin{array}{c} \star \star \\ \star \star \\ \square \end{array} + \begin{array}{c} \star \star \\ \star \end{array} = \begin{array}{c} \star \star \\ \star \star \star \star \\ \star \star \end{array}$$

F.

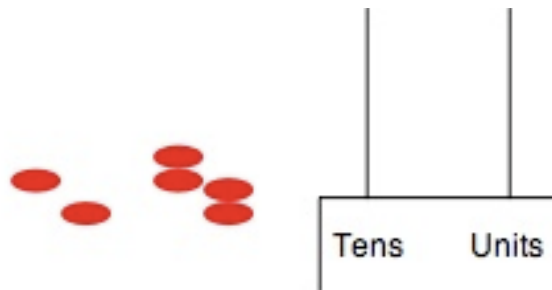
$$\begin{array}{c} \star \star \star \\ \star \star \\ \square \end{array} + \begin{array}{c} \star \star \\ \star \star \\ \square \end{array} = \begin{array}{c} \star \star \star \\ \star \star \star \\ \star \star \star \end{array}$$

Try using counters or different coloured lego bricks to help you with this mathematical puzzle. If you are really cheeky you could try using some biscuits instead!

If you put 3 beads onto a tens and units abacus you could make the numbers 3, 30, 21 or 12



What numbers do you think you could make using 6 beads?





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LEARNING

Week 5 – Day 1 (answers)

A. $18 + 2 = 20$

B. $13 - 1 = 12$

C. $5 + 5 = 10$

D. $1 + 5 = 6$

E. $4 + 3 = 7$

F. $5 + 4 = 9$

Abacus beads answers:

6,60,15,51,42,24 and 33

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Week 5

Day 2



Week 5 – Day 2

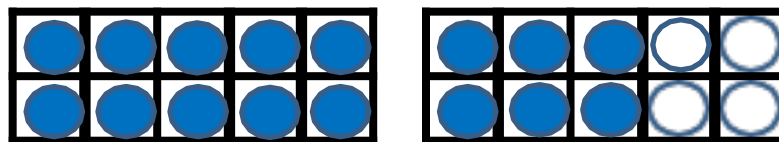
THIRD SPACE
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A. Half of 8 =

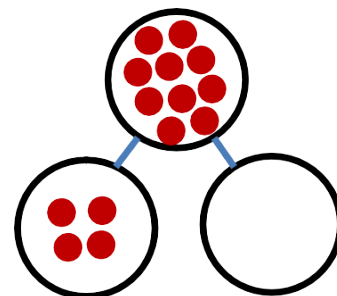


Use **Counters**
...to help you

B. $16 + 4 = ?$



C. $10 - ? = 4$





Week 5 – Day 2

THIRD SPACE
LEARNING

Fill in the missing numbers in the bubbles

D.

<u>2</u>	<u>4</u>	<u>6</u>	<u> </u>
<u>10</u>	<u> </u>	<u> </u>	<u>16</u>

E.

<u>3</u>	<u>6</u>	<u> </u>	<u>12</u>
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F.

<u> </u>	<u>10</u>	<u>15</u>	<u> </u>
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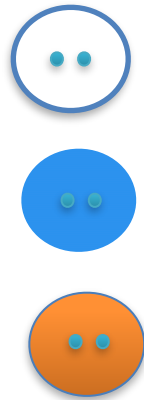
For this puzzle you can use different coloured counters, lego bricks or make counters numbering them 1,2 and 3 or labelling them T (top) M (middle) B (bottom)

My coat has three different buttons.

Sometimes, I do them up starting with the top button. Sometimes, I start somewhere else.

How many ways can you find to do up my coat?

Explain how you got your answer.





Week 5 – Day 2 (answers)

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LEARNING

A. Half of 8 = 4

B. $16 + 4 = 20$

C. $10 - 6 = 4$

D. $\frac{2}{\quad}$ $\frac{4}{\quad}$ $\frac{6}{\quad}$ $\frac{8}{\quad}$

$\frac{10}{\quad}$ $\frac{12}{\quad}$ $\frac{14}{\quad}$ $\frac{16}{\quad}$

E. $\frac{3}{\quad}$ $\frac{6}{\quad}$ $\frac{9}{\quad}$ $\frac{12}{\quad}$

F. $\frac{5}{\quad}$ $\frac{10}{\quad}$ $\frac{15}{\quad}$ $\frac{20}{\quad}$

Buttons on my coat

There are 6 different ways I can do up my buttons
132,123, 213, 231,312,321



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Week 5

Day 3



Week 5 – Day 3

THIRD SPACE
LEARNING

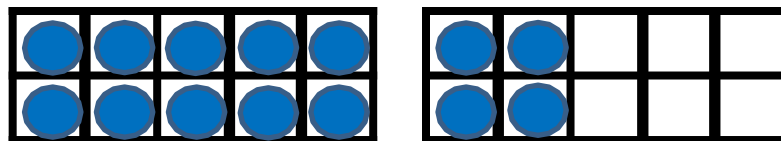
$$A. 3 + 3 = ?$$

Use 
number shapes
...to help you

$$B. 9 + 1 = ?$$



$$C. 14 + 6 = ?$$





Week 5 – Day 3

Greater than $>$ Less than $<$

Make each statement true by using the symbols $<$ or $>$

D. 50 30

E. 46 44

F. 50 76

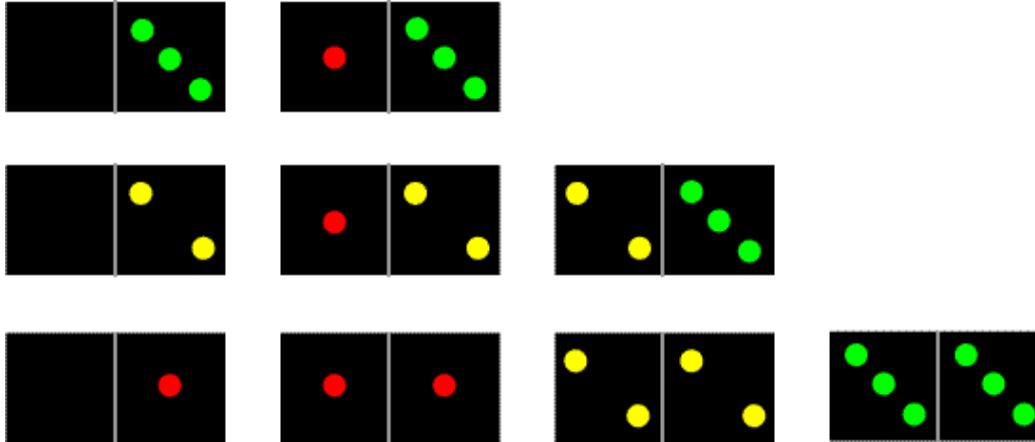


Week 5 – Day 3

You can use your own dominoes for this challenge or draw and cut out your own.

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Here are some dominoes. Sort them into two groups - one group with an odd number of spots and the other with an even number of spots.



Do you any dominoes left over ?

Now put the dominoes into pairs. The number of spots on each pair of dominoes must make a total of 5.
How many pairs can you make? Which dominoes are left over?

Can you pair them up in any different ways so that each pair add up to 5?
Which dominoes are left over now?

Are there any dominoes that are always left over?
Can you explain why?



Week 5 – Day 3 (answers)

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- A. $3 + 3 = 6$
- B. $9 + 1 = 10$
- C. $14 + 6 = 20$
- D. $50 > 30$
- E. $46 > 44$
- F. $50 < 76$

The dominoes which have an odd number of spots are



The rest have an even number of spots

There are always some dominoes left over. 3,3 or 3,2 because they make 5 or over

Here are all the possible ways of grouping the dominoes to make 5

2,2 and 0,1 0,3 and 0,2 1,2 and 1,1 or
3,1 and 0,1 0,3 and 0,2 1,2 and 1,1 or
2,2 and 0,1 0,3 and 1,1 1,2 and 0,2 or
3,1 and 0,1 0,3 and 1,1 1,2 and 0,2



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Week 5

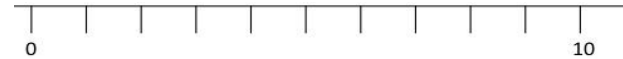
Day 4



Week 5 – Day 4

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LEARNING

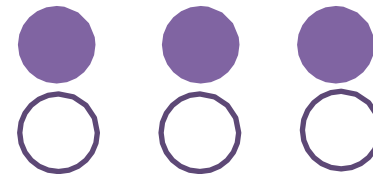
A. $19 + ? = 20$



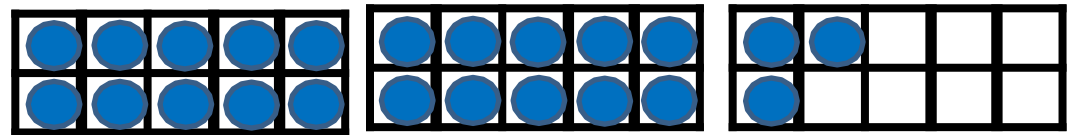
Use a number line

...to help you

B. Double 3 = ?



C. $23 + 1 = ?$



10

10

3

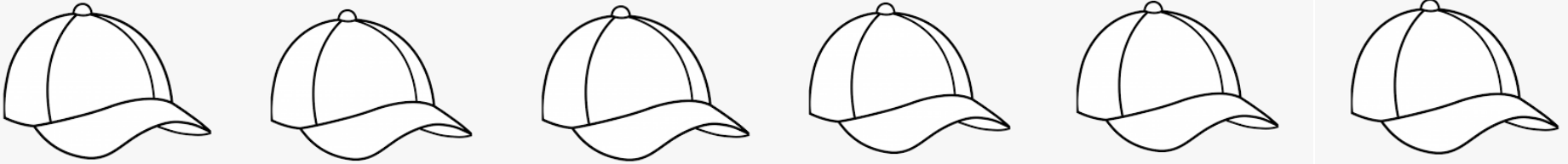


Week 5 – Day 4

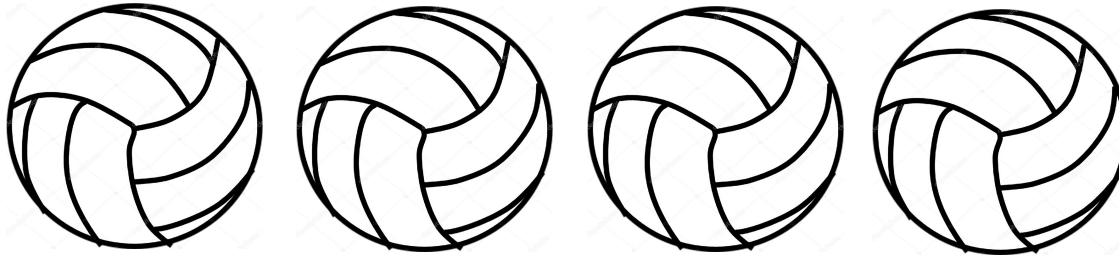
THIRD SPACE
LEARNING

Colour in half the amount of items

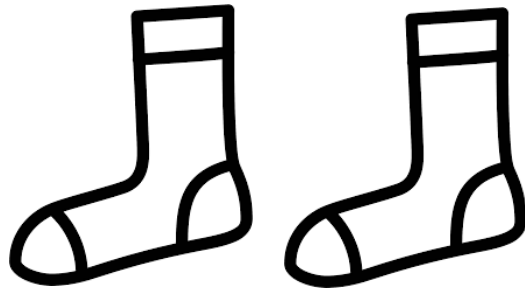
D.



E.



F.

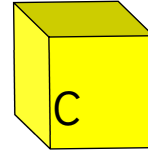
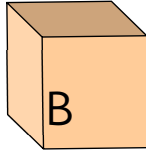
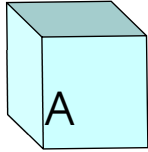




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Week 5 – Day 4

How many ways?



You have three boxes. You have 7 buttons.



How many ways can you put the buttons in the boxes?



I have done one for you:

Box A	Box B	Box C
5	1	1



Week 5 – Day 4 (answers)

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A. $19 + 1 = 20$

B. Double 3 = 6

C. $23 + 1 = 24$



7 buttons in the box

How many ways can you put the buttons in the boxes?



I have done one for you:

Box A	Box B	Box C
5	1	1
1	5	1
1	1	5
4	2	1
2	1	4
1	4	2
3	2	2
2	3	2
2	2	3



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Week 5

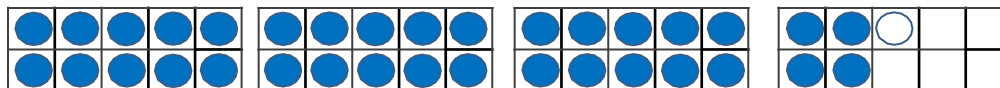
Day 5



Week 5 – Day 5

THIRD SPACE
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$$A. 34 + 1 = ?$$



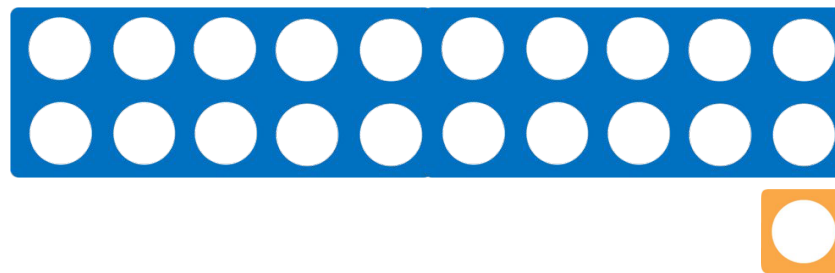
10

10

10

4

$$B. 20 - 1 = ?$$



$$C. 14 + 6 = ?$$

Use...



Number shapes to help you



Week 5 – Day 5

THIRD SPACE
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Arrange these numbers in order from the largest to the smallest

D. 2 6 10 5

E. 7 9 23 18

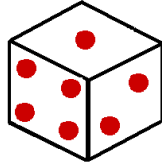
F. 10 40 100 70



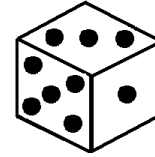
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Week 5 – Day 5

Scoring 8



Red



Black

How many ways can you score a total of 8 when you roll two dice?
Record your answers below.

<u>Red</u>	<u>Black</u>	<u>Total</u>
		= 8
		= 8
		= 8
		= 8
		= 8



Week 5 – Day 5 (answers)

THIRD SPACE
LEARNING

- A. $34 + 1 = 35$
- B. $20 - 1 = 19$
- C. $14 + 6 = 20$
- D. 10, 6, 5, 2
- E. 23, 18, 9, 7
- F. 100, 70, 40, 10

Scoring 8 with dice

<u>Red</u>	<u>Black</u>	<u>Total</u>
6	2	= 8
2	6	= 8
5	3	= 8
3	5	= 8
4	4	= 8

