

Homelearning - Year 4 – Pack 3 – Part 2 of 4

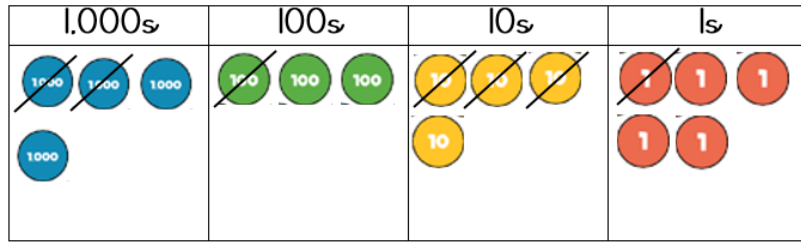
The range of activities that you have been completing has been exceptional. It has been great to see that you have been giving your own examples to question to support your understanding of any skills and activities. I just want to say a big thank you to all of your hard work!

Mathematics



Task 1 – Subtraction column method

Below are some subtraction calculations solved using place value counters. Can you write the calculation and use column method to solve each calculation. The first one has been done for you.



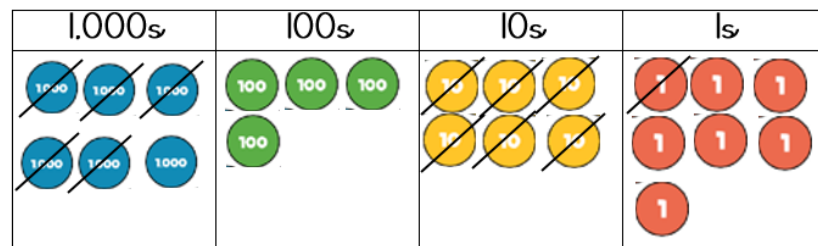
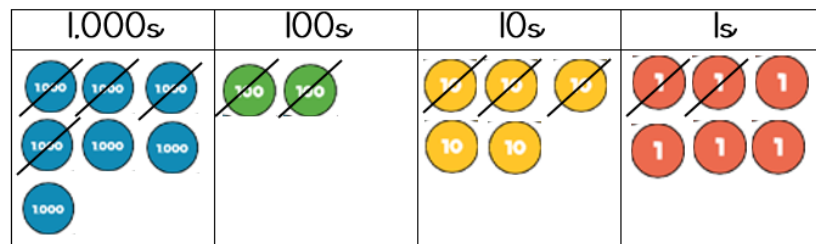
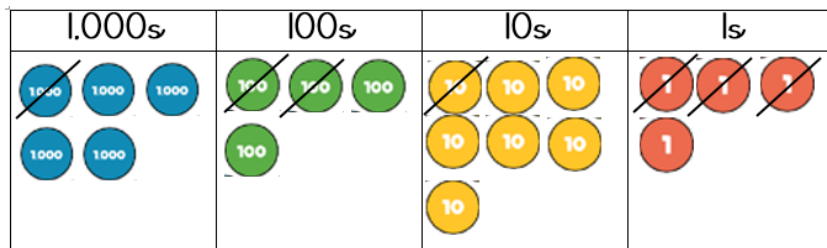
Find your starting number = **4345**

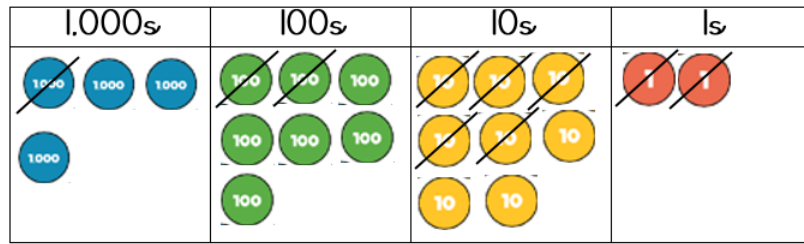
How much has been crossed out = **2131**

Use the two numbers to form a subtraction calculation. **4345 – 2131 = _____**

4	3	4	5	–	2	1	3	1	=

Can you complete the rest on your own?

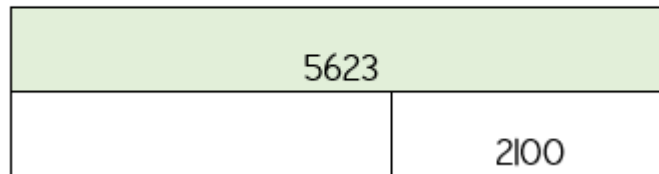




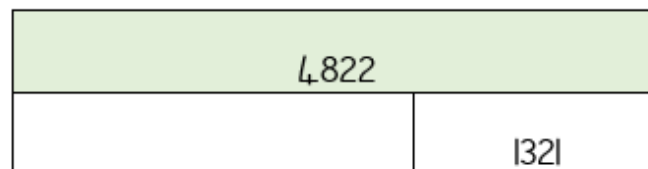
Task 2 – Subtraction column method

Can you use the bar model below to solve these calculations using column method?

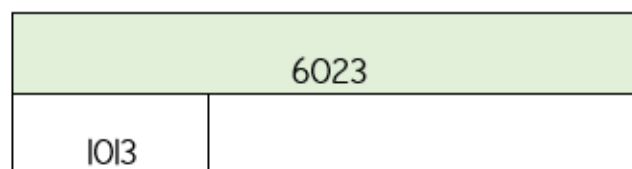
$$5623 - 2100 = \underline{\hspace{2cm}}$$



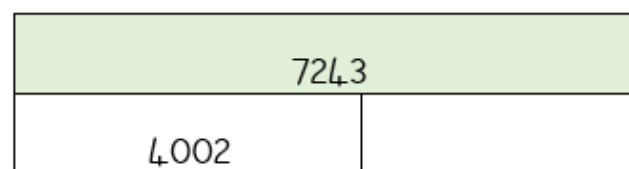
$$4822 - 1321 = \underline{\hspace{2cm}}$$



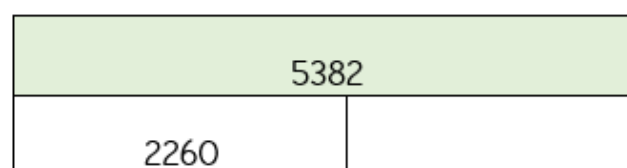
$$6023 - 1013 = \underline{\hspace{2cm}}$$



$$7243 - 4002 = \underline{\hspace{2cm}}$$



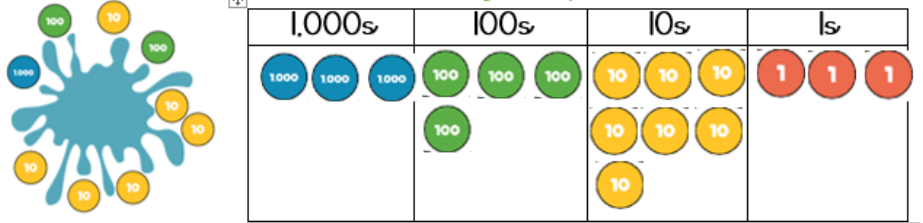
$$5382 - 2260 = \underline{\hspace{2cm}}$$



Task 3 – Subtraction finding the missing number

Some of your counters have been covered up by a splat. Can you work out how much has been covered by the splat? To work this out you will have to subtract what is left from your total.

There are counters to the value of 3,472 on the table but some have been covered by the splat.



What is the total number of counters covered?

$$3472 - 1260 = \underline{\hspace{2cm}}$$

There are counters to the value of 5,344 on the table but some have been covered by the splat.



What is the total number of counters covered?

There are counters to the value of 5,344 on the table but some have been covered by the splat.



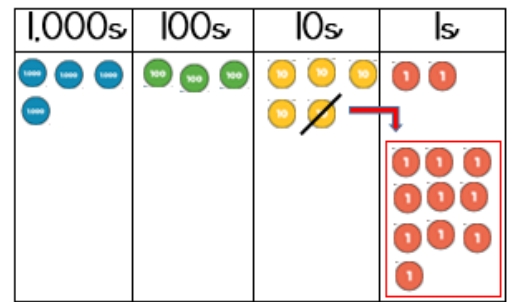
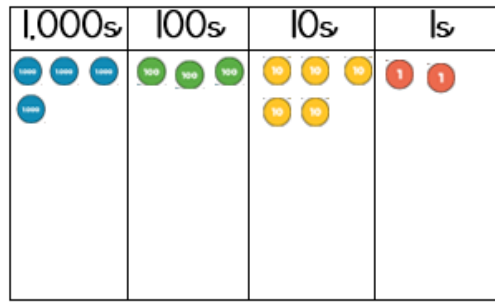
What is the total number of counters covered?

There are counters to the value of 6,460 on the table but some have been covered by the splat.



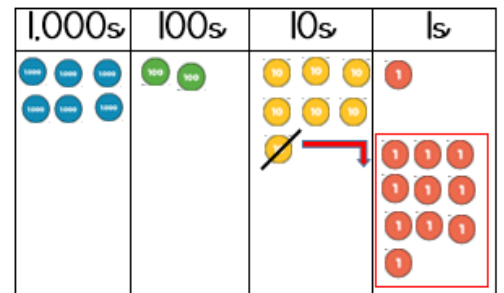
What is the total number of counters covered?

$$4352 - 2236 = \underline{\hspace{2cm}}$$



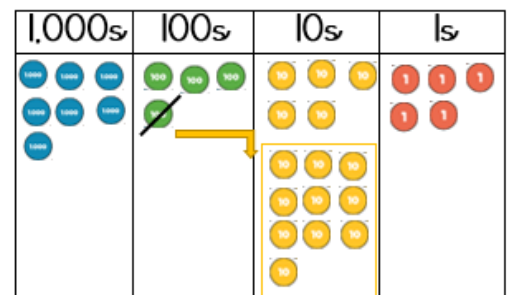
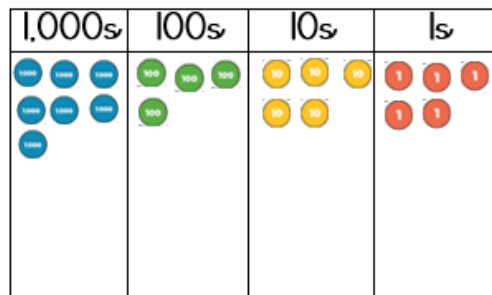
Can you use column method to solve this calculation?

$$6271 - 1238 = \underline{\hspace{2cm}}$$



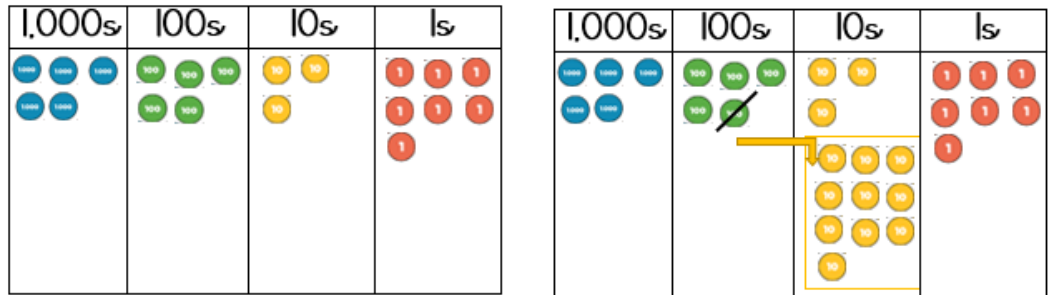
Can you use column method to solve this calculation?

$$7455 - 283 = \underline{\hspace{2cm}}$$



Can you use column method to solve this calculation?

$$5537 - 2177 = \underline{\hspace{2cm}}$$

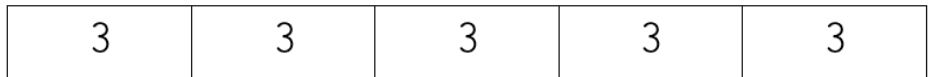


Can you use column method to solve this calculation?

Task 5 - Multiplication

Can you write a statement to the correct bar model?

Below is an example.

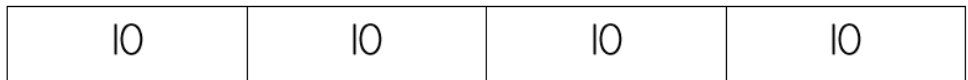
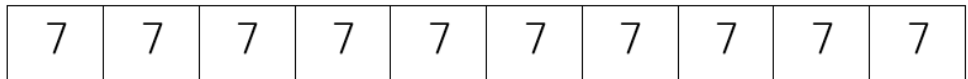
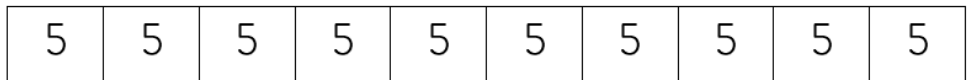
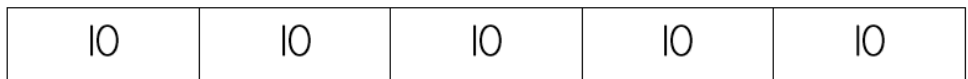


I have 5 groups and in each group there is 3 in each group. So I have

5 x 3 = 15 5 lots of 3 equals 15

Now using the numbers that I have I will use them to write a multiplication statement.

There are **five tables** and on each table there are **three children**. How many children are there?



Task 6 – Multiplication grid method

Grid method is used as a method to solve multiplication calculations. They help you to partition two digit numbers.

Below is an example.

$14 \times 11 = 154$

x	10	1
10	$10 \times 10 = 100$	$10 \times 1 = 10$
4	$4 \times 10 = 40$	$4 \times 1 = 4$

$100 + 40 + 10 + 4 = 154$

Can you complete the calculations below using the grid method?

$15 \times 12 = \underline{\hspace{2cm}}$	$13 \times 13 = \underline{\hspace{2cm}}$	$16 \times 11 = \underline{\hspace{2cm}}$
$22 \times 12 = \underline{\hspace{2cm}}$	$25 \times 11 = \underline{\hspace{2cm}}$	$18 \times 14 = \underline{\hspace{2cm}}$

x		

x		

x		

x		

x		

x		

Task 7 - Multiplication

Can you use these three symbols $<$ $>$ $=$ to organise your calculations below? Remember that these three symbols are used to organise the size of numbers.

SAME	GREATER THAN	LESS THAN
$=$	$>$	$<$
$5 = 5$	$5 > 4$	$5 < 6$
5 equals 5	5 is greater than 4	5 is less than 6

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Use <, > or = to make the statements correct.

$$75 \times 100 \quad \bigcirc \quad 75 \times 10$$

$$39 \times 100 \quad \bigcirc \quad 39 \times 10 \times 10$$

$$460 \times 10 \quad \bigcirc \quad 100 \times 46$$

Use <, > or = to make the statements correct.

$$250 \times 10 \quad \bigcirc \quad 25 \times 100$$

$$45 \times 100 \quad \bigcirc \quad 45 \times 10$$

$$52 \times 10 \quad \bigcirc \quad 10 \times 52$$

Use <, > or = to make the statements correct.

$$4 \times 100 \times 10 \quad \bigcirc \quad 4 \times 10 \times 10 \times 10$$

$$100 \times 17 \quad \bigcirc \quad 17 \times 10$$

$$10 \times 10 \times 6 \quad \bigcirc \quad 100 \times 60$$

Use <, > or = to make the statements correct.

$$9 \times 100 \quad \bigcirc \quad 10 \times 9 \times 10$$

$$4 \times 100 \times 10 \quad \bigcirc \quad 10 \times 40 \times 10$$

$$42 \times 10 \times 10 \times 10 \quad \bigcirc \quad 10 \times 420$$

Task 8 – Completing the calculation

Can you use the numbers and the symbols to complete the two calculations below each cloud?

$$\begin{array}{ccc} 100 & \times & 600 \\ = & & \\ 10 & \div & 6 \end{array}$$

$$\underline{\quad} \div \underline{\quad} = 6$$

$$60 = 600 \underline{\quad} 10$$

$$\begin{array}{ccc} 50 & \times & 500 \\ = & & \\ 10 & \div & 100 \end{array}$$

$$\underline{\quad} \times \underline{\quad} = 500$$

$$5 = 500 \underline{\quad} \underline{\quad}$$

$$\begin{array}{ccc} 100 & \times & 800 \\ = & & \\ 10 & \div & 8 \end{array}$$

$$\underline{\quad} \div \underline{\quad} = 8$$

$$\underline{\quad} = 80 \underline{\quad} 10$$

$$\begin{array}{ccc} 100 & \times & 10 \\ = & & \\ 10 & \div & 1000 \end{array}$$

$$\underline{\quad} \times \underline{\quad} = 100$$

$$1000 \underline{\quad} 10 = \underline{\quad}$$

$$\begin{array}{ccc} 100 & \times & 700 \\ = & & \\ 10 & \div & 1 \end{array}$$

$$\underline{\quad} = 700 \underline{\quad} 100$$

$$70 \underline{\quad} 10 = 700$$

$$\begin{array}{ccc} 20 & \times & 200 \\ = & & \\ 100 & \div & 2 \end{array}$$

$$200 \div \underline{\quad} = 20$$

$$\underline{\quad} = 100 \underline{\quad} 2$$

Times tables**Task 1**

Can you practice counting forwards and backwards in 2s, 4s and 6s?

2x tables – 0, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24

4x tables – 0, 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48

6x tables – 0, 6, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72