

## Year 3/ 4 Summer Home Learning

**Number** Place value- **compare and order** numbers using the place value grid. E.g There are 3 tens in 35 compared to 8 tens in 82. (up to 1000 for Year 3)

Thousands			Units			1/10	1/100	1/1000
Hundreds	Tens	Ones	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths

<https://www.bbc.co.uk/bitesize/topics/zsjqtfr/articles/z9w3g82>  
<https://www.topmarks.co.uk/maths-games/5-7-years/place-value-odd-and-even>  
<https://www.topmarks.co.uk/place-value/place-value-charts>  
<https://www.ictgames.com/mobilePage/arrowCards/index.html>

**Add and subtract** numbers up to 3 digits (Year 3) or 4 digits (Year 4) using the short written method. Maths Bot is a great website that will provide you with a range of addition and subtraction questions. <https://mathsbot.com/questionsIWB> You could also make up your own questions using a dice to select each digit.

$$\begin{array}{r} 676 \\ + 558 \\ \hline 1234 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 49 \\ 5013 \\ - 278 \\ \hline 225 \end{array}$$

**Multiply** 2 digit numbers by 1 digit numbers (Year 3 ) and two-digit and three-digit numbers by a one-digit number (Year 4 ) using the written method.

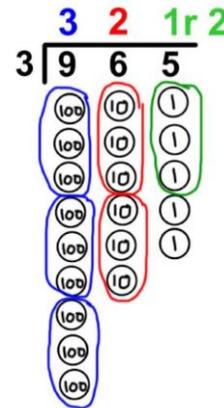
$$\begin{array}{r} 32 \\ \times 3 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 324 \\ \times 3 \\ \hline 972 \end{array}$$

**Divide** by 1 digit numbers using short division. The visual representation will help you to understand the concept.

Tens	Ones
■■■■	■■
■■■■	■■
■■■■	■■

$$\begin{array}{r} 31 \\ 2 \overline{)62} \end{array}$$



This could then be extended to use decimals rather than remainders.

Step 8.

$$\begin{array}{r} 2085.8 \\ 3 \overline{)62517.24} \end{array}$$

Thousands	Hundreds	Tens	Ones	Tenths
■■■■		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■
		■■■■	■■■■	■■■■

## Arithmetic:

**Times Tables Rockstars**- this is a fantastic resource that you should be using regularly at home, to develop your fluency and speed. [www.trockstars.com](http://www.trockstars.com)

**Year 3 - 3, 4 and 8 multiplication tables**  
**Year 4- multiplication tables up to 12 x 12**



**Doubling**

<https://www.mathplayground.com/2048.html>

**Multiplication**

[https://www.mathplayground.com/monster\\_stroll\\_multiplication.html](https://www.mathplayground.com/monster_stroll_multiplication.html)

**Rounding** - numbers to the nearest 10, 100 and 100 and round decimals with 1 decimal place to the nearest whole number (Year 4)

<https://www.bbc.co.uk/bitesize/topics/zh8dmp3/articles/zpx2qtv>

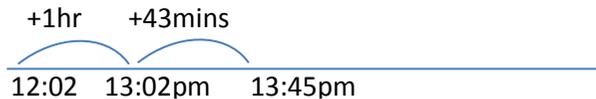
**Quick fire questions**

<https://www.topmarks.co.uk/maths-games/hit-the-button>

**Time:** This is a priority area for parents to work on with their child as it is a key objective that was not covered due to the school closure - it will be on the recovery curriculum, and we encourage you to work on this over the summer. It is an area of maths that should be practised daily in a real life context.

Read the time on analogue, 12 and 24 hour clocks (to the nearest hour, minute, second)  
[https://www.mathplayground.com/ASB\\_Giraffe\\_Race\\_Time.html](https://www.mathplayground.com/ASB_Giraffe_Race_Time.html)

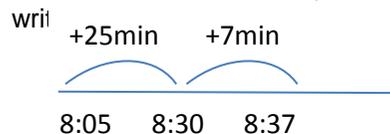
**Finding the duration.** e.g The train left at 12:02 and arrived at 13:45. How long was the journey?



**Year 4- Convert from hours to minutes, minutes to seconds, years to months, weeks to days**  
 e.g. How many years is 48 months ?  $1 \text{ yr} = 12 \text{ months}$ ,  $48 \div 12 = 4$

seconds in one minute	minutes in one hour	hours in one day	days in one week
weeks in one year	days in one year (unless it's a leap year)	months in one year	years in a decade

**Solve problems** e.g. Mike left to go to school at 8:05. It took him 32 minutes to get there. What time did he arrive? Once you are confident, you can use bridging as a mental method, rather than a



## Useful websites and further learning opportunities:

- <https://corbettmaths.com/contents/> Revision of all areas- this is a great website that provides worksheets and videos
- <https://www.topmarks.co.uk/maths-games/5-7-years/> Maths games for subject knowledge including place value, decimals, negative numbers and number sequences
- <http://www.bbc.co.uk/bitesize/ks2/maths/number/> Revision of all areas of numbers
- <https://www.bbc.co.uk/education/subjects/z826n39> Topics covered include: Numbers, calculations, fractions, percentages, ratio, measurement, and shapes and movement and handling data
- [https://www.mathplayground.com/index\\_fractions.html](https://www.mathplayground.com/index_fractions.html) Shapes, graphs, numbers, time
- <https://mathsbot.com/questionsIWB> This is a good way to practise a range of arithmetic questions. They are differentiated and you can select a variety of challenge levels.