



# Supporting Maths At Home ~ Year 4 ~ Curriculum Links ~ Autumn Term

All of these topics are covered in the first term in Year 4. Place value is key for your child understanding the value of the digits within numbers. This then enables them to partition numbers in different ways and begin to add, subtract and round up or down.

### Place Value of Digits

Place value helps us know the value of a digit, depending on its place in the number.

TH	H	T	O
4	8	2	5

In the number above, the 4 digit is in the thousands place so it really means 4000.

The 8 digit is in the hundreds place so it really means 800.

The 2 digit is in the tens place so it really means 20.

The 5 digit is in the ones place so it means 5.

### Partitioning

Numbers can be partitioned (broken apart) in more than one way...

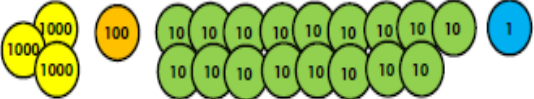
$$3271 = 3000 + 200 + 70 + 1$$



$$3271 = 2000 + 1200 + 60 + 11$$



$$3271 = 3000 + 100 + 170 + 1$$



### Roman Numerals

I = 1	X = 10
II = 2	XX = 20
III = 3	XXX = 30
IV = 4	XL = 40
V = 5	L = 50
VI = 6	LX = 60
VII = 7	LXX = 70
VIII = 8	LXXX = 80
IX = 9	XC = 90
X = 10	C = 100

## Rounding

### Rounding to the nearest 10

To round a number to the nearest 10, you should look at the ones digit. If the ones digit is 5 or more, round up. If the ones digit is 4 or less, round down.



In the number **427**, the ones digit is the **7**. **7** rounds up so **427** rounds up to **430**.

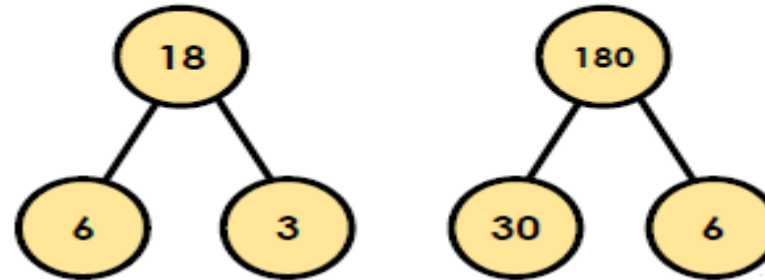
### Rounding to the nearest 100

To round a number to the nearest 100, you should look at the tens digit. If the tens digit is 5 or more, round up. If the tens digit is 4 or less, round down.



In the number **328**, the tens digit is the **2**. **2** rounds down so **328** rounds down to **300**.

## Related Facts from Times Tables



$3 \times 6 = 18$	$6 \times 3 = 18$
$18 \div 3 = 6$	$18 \div 6 = 3$
$30 \times 6 = 180$	$60 \times 3 = 180$
$180 \div 30 = 6$	$180 \div 60 = 3$

Times table knowledge and quick recall is vital. There will be a Statutory Multiplication Check towards the end of Year 4.

Keep using lots of repetition and websites such as TTRockstars and Hit The Button. Use your Classroom Secrets Kids login too.





Use RUCSAC for word problems



### Useful Websites

Online games and videos to enhance Maths learning at home:

- <http://www.amathsdictionaryforkids.com/>
- <http://mathszone.co.uk/>
- <https://www.bbc.co.uk/bitesize/subjects/z826n39>
- <http://www.primaryhomeworkhelp.co.uk/maths/>
- <https://mathsframe.co.uk/>
- <https://nrich.maths.org/primary>
- <http://www.crickweb.co.uk/ks2numeracy.html>
- <https://www.topmarks.co.uk/maths-games/7-11-years/ordering-and-sequencing-numbers>