**Year 4 Home Learning Maths Week Beginning 20th April**

**Mental Maths**

- Practise your times tables knowledge. Log on to **Times Table Rock Stars**.
- **Beat the clock** how many full times tables can you write down in 2 minutes?
- **Magic Square** – draw a magic square (3squares x 3squares) with the number 5 in the middle square. Now, the numbers 1-9 (not 5) need to go in the squares but making sure every row / column adds up to 15. Take a photo and upload to SeeSaw if you can.

**Activity 1** – Round any number to the nearest 10, 100 or 1000.

Look at these examples of rounding :

Can you write down an explanation for why this is correct?

Nearest 10….. 34 would round to 30

Nearest 100….268 would round to 300

Nearest 1000 … 3489 would round to 3000

Round the numbers below to the **nearest 10**.
Example: 46 is between **40** and **50** and would be rounded to **50**.

43 is between _____ and _____ and would be rounded to _____
57 is between _____ and _____ and would be rounded to _____
72 is between _____ and _____ and would be rounded to _____
146 is between _____ and _____ and would be rounded to _____
148 is between _____ and _____ and would be rounded to _____

Round the numbers below to the **nearest 100**.
Example: 231 is between **200** and **300** and would be rounded to **200**.

384 is between _____ and _____ and would be rounded to _____
162 is between _____ and _____ and would be rounded to _____
853 is between _____ and _____ and would be rounded to _____
7,423 is between _____ and _____ and would be rounded to _____
7,235 is between _____ and _____ and would be rounded to _____

Round the numbers below to the **nearest 1,000**.
Example: 7,852 is between **7,000** and **8,000** and would be rounded to **8,000**.

2,243 is between _____ and _____ and would be rounded to _____
8,463 is between _____ and _____ and would be rounded to _____
19,253 is between _____ and _____ and would be rounded to _____
53,552 is between _____ and _____ and would be rounded to _____
91,256 is between _____ and _____ and would be rounded to _____

Questions:

A company made a profit of £7,821 in one year.
What is this figure to the nearest £10? ___

The cost of decorating a school was estimated at £25,670.
What is this to the nearest £100? _

A newspaper sold 56,792 copies.
What is this to the nearest 1,000 copies? _____

**Activity 2** – Solve addition and subtraction two-step problems.

Here is a two-step problem.

There were 17 books on a shelf and 15 books on another shelf. 9 books were taken by some children to read. How many books were left on both shelves?

So Step 1… you need to add 17 and 15 together… totalling 32. Step 2 you subtract the 9 books taken, leaving 23 on the shelves.

Have a go at these:

**A** Danielle scored 138 on level 1 of her computer game. She scored 197 on level 2. However, she lost 72 points. What is her total score?

**B** Last week Ellie scored 279 in archery. For her award she must score 401.

How many more points must she score before she can achieve her award?

**C** One length of a swimming pool is 25 m. Luke has swum three lengths so far. He is trying to swim 500m. How many more lengths does he need to swim?

**D** Have a go at writing one of your own for someone at home to solve.

Remember working as neat as you can and check your work!

**Activity 3 -**

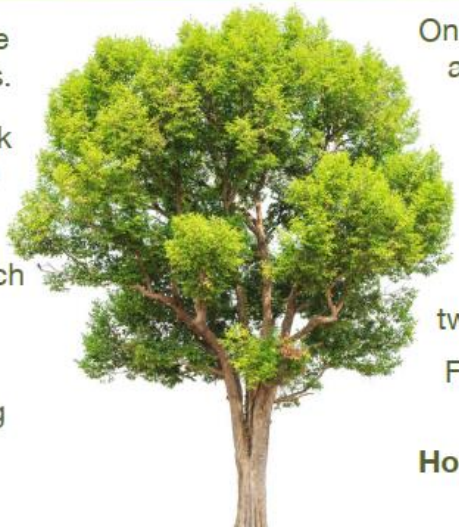
## The Deca Tree

The deca tree has 10 trunks.

On each trunk there are 10 branches.

On each branch there are 10 twigs.

On each twig there are 10 leaves.



One day a woodcutter came along and cut down one trunk from the tree.

Then he cut off one branch from another trunk of the tree.

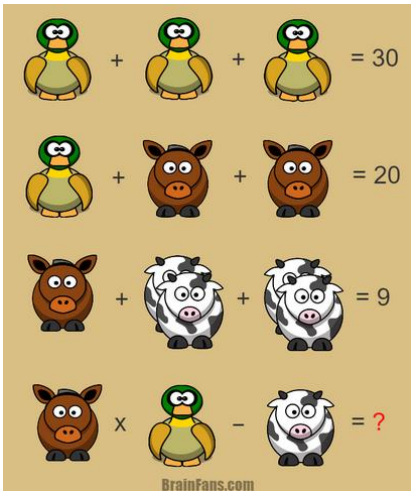
He then cut off one twig from another branch.

Finally he pulled one leaf from another twig.

**How many leaves were left on the tree?**

Activity 4: have a go at solving this problem! LOOK VERY CAREFULLY.

Once you are happy try to set a similar puzzle for someone at home.




**Useful Links and Videos – TT Rockstars,** https://www.bbc.co.uk/bitesize/topics/zy2mn39