

Year 4 Maths Learning for week beginning: Monday 25th January

Information - please read before completing the lessons this week as new information has been added.

We now have access to the worksheets and slides which accompany the White Rose videos online. These videos really explain the concept being covered in detail and children can pause the video when they need to. The worksheets we are providing now support these videos, so when the video says to pause and complete questions 1-4, this can be done. The work set is all explained in the videos. Year 4 are really used to using a lot of practical equipment to explain their thinking.

Counters can be used at home, as can other items to represent base ten equipment. For example -

- something square (shreddies??) for hundreds
- Short sticks (past twists/tiny twigs.) for tens
- Something small (lentils, split peas, small stones etc) for ones.

Worksheets are not below this document as in previous weeks. The worksheet for each day is labelled on our area on the home learning area of the website and this is alongside an answer sheet. There are slides which are identical to the videos in case you would prefer to use these.

Maths lessons at home are planned for approximately 45 minutes and then an additional 15 minutes of times tables practise.

The online links we are using this week are:

www.activelearnprimary.co.uk

Login: Initial, surname e.g. ssmith

Password: yr2016

School Code - BCCJ

Our lessons this week will focus on specific mental multiplication methods. We will revise multiplying and dividing by 10 & 100, then making sure we are confident with the 6s.

Fridays: Fit Friday - fun and practical with Mr. Brown.

If you complete your learning really quickly, make use of any additional time to practise your times tables as suggested in the times tables box. Remember to keep on practising those tables.

DAILY - practicing times tables for 15 minutes.

Choose some ways to practice your 9 times tables today and throughout the week, but also remember to revise all the other tables you have learnt.

- We have made a folder of fun. timestable games using the Twinklgo website. To access these games you can follow this link.

Access this lesson using pin code: **CJ7980**
at [Twinkl Go](#)

- Use the following link and choose the table you want to practise: <https://www.timestables.co.uk/>
 - BBC times tables songs: <https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4>
 - Activelearn (Sandsearch, Scrapheap Scramble, Seaside Scuffle, Pesky Pets, Balloon Pop and Treetop Topple).
 - Throw a dice and multiply this number by the table you are learning. You can throw 2 dice add these together and multiply so you practise all numbers up to the 12th multiple.
 - www.TimesTables.me.uk
 - Make a set of flash cards.
 - On one side of the card write the table - e.g. $4 \times 8 =$ and on the other side of the card write the answer. You can try working through the cards in order and then shuffling them. Or, you could make 2 sets of cards - one with questions and one with answers and match these up or play pairs games.

Monday
To divide by 100.

You will need the maths worksheet from the home learning area.

Follow this link for the video and have your pencil, paper and worksheet ready.
Today, when the video tells you stop and answer the questions on the sheet, you can now do this.
If you are not able to watch the video, there is a PowerPoint of this (with answers) instead.

Select the 4th video on this page - 'Divide by 100'.

[Autumn Week 10 - Number: Multiplication & Division | White Rose Maths](#)

Spend up to 45 minutes on this activity. The questions do get harder the further you continue with some tricky challenges at the end. I do not expect everyone to always complete everything, as on some days you will find the lesson easier than on others.

Tuesday

You will need the maths worksheet from the home learning area.

Follow this link for the video and have your pencil, paper and worksheet ready.
Today, when the video tells you stop and answer the questions on the sheet, you can now do this.
If you are not able to watch the video, there is a PowerPoint of this (with answers) instead.

Select the 5th video on this page - 'Multiply and Divide by 0'

[Autumn Week 10 - Number: Multiplication & Division | White Rose Maths](#)

Spend up to 45 minutes on this activity. The questions do get harder the further you continue with some tricky challenges at the end. I do not expect everyone to always complete everything, as on some days you will find the lesson easier than on others.

Wednesday-
To Multiply and Divide by 6 - consolidation of previous learning.

You will need the maths worksheet from the home learning area.

Follow this link for the video and have your pencil, paper and worksheet ready.
Today, when the video tells you stop and answer the questions on the sheet, you can now do this.
If you are not able to watch the video, there is a PowerPoint of this (with answers) instead.

Select the 4th video on this page - 'Multiply by 6'

[Autumn Week 11 - Number: Multiplication & Division | White Rose Maths](#)

Spend up to 45 minutes on this activity. The questions do get harder the further you continue with some tricky challenges at the end. I do not expect everyone to always complete everything, as on some days you will find the lesson easier than on others.

Thursday - To Multiply and Divide by 9 - consolidation of previous learning.

You will need the maths worksheet from the home learning area.

Today, there is not an online video for you to watch, but a PowerPoint instead. Watch the PowerPoint and pause to answer the questions on your worksheet when it says to do so.

Spend up to 45 minutes on this activity. The questions do get harder the further you continue with some tricky challenges at the end. I do not expect everyone to always complete everything, as on some days you will find the lesson easier than on others.

Friday

Problem solving active maths lesson with Mr. Brown.

Mr. Brown will make another Fit Friday maths session for you. You will need to be your sports kit as this will be active. You will also need a pencil and paper for working out those maths challenges Mr. Brown sets you.

You will be challenged as to how many moves you can do in given time over a variety of exercises.

For example:

How many star jumps can you do in 1 minute? Record this. Then from this information, we can calculate an estimation for 2 minutes (by doubling), 3 minutes by multiplying by 3 etc.

You can compare your scores to Mr. Brown...who is the fittest?

If you are unable to access the video through our Year 4 area online, perhaps somebody at home could set you some challenges instead. Some ideas could be: star jumps, press ups, burpees, squat thrusts, step ups, leg squats, mountain climbing etc.

Learning the 9 Times Table the Easy Way!

What patterns can you see?

The number of nines is one **more** than the number of tens in the answer.

So, for 9×6 we know that the number of tens is one less than 6 (5) and we know that the tens and the ones add to make nine (4) so the answer must be 54! If you know your bonds to nine then the nine times table is easy!!

This is why the hand trick works!

The tens and ones add to make nine.

9	×	1	=	9
9	×	2	=	18
9	×	3	=	27
9	×	4	=	36
9	×	5	=	45
9	×	6	=	54
9	×	7	=	63
9	×	8	=	72
9	×	9	=	81
9	×	10	=	90
9	×	11	=	99
9	×	12	=	108

The Hand Trick

Open both hands, palms facing towards you so you can see all ten digits (fingers and thumbs). To work out 9×5 put down your 5th digit.

You now have 9 digits up - 4 digits to the left (4 tens, one less than the number of nines) and 5 digits to the right (number of ones to make 9).

Answer = 45

