Maths Homework Grid (Y4) Autumn term

A reminder that maths homework is 10 mins per night (5 nights) and each week you need to practise your multiplication tables as well as sometimes looking at the maths focus for the week. Keep activities varied and fun, we use manipulatives (equipment) and pictures to represent the work as well as using written numbers. These are only suggestions – you may have games/activities of your own you like or the children may like to do some of the activities we have used in class.

Continuous throughout the year

Multiplication Tables and their division facts - Year 4 expectations are all multiplications up to 12 x 12.
See separate multiplication guide sheet for ideas and websites.

Time – Read an analogue and digital clock to the minute.

Place Value

Make a set of digit cards 0-9. Pick 4 numbers.
Make the biggest number/ smallest number/ biggest even number / smallest odd number etc.
Say the number aloud.
How many 4 digit numbers can you make? Can you order them?
Can you round the number to the nearest 10?100?1000?
Write the number in digits and in words (children need to be able to spell number words correctly.)
Partition each number eg 3456= 3000+400+50+6
Look at Roman numerals in the world around you. Can you write our Arabic numbers as Roman numerals? Can you create addition and subtraction using Roman numerals?
Link to video

Click here

Column addition

Make your own thousands, hundreds, tens and ones using straws, tooth pics, pencils, card, (or anything else you can think of which you can make into bundles of ten).
Practice column addition with your thousands, hundreds, tens and ones (adding two 4-digit numbers together), then have a go at drawing them out. Once you have done this, practise column addition with just numbers.
Try using dice to generate your numbers and make some column addition questions of your own.
Remember to use the inverse (subtraction) to check any answers.
See white pages Calculation: Addition policy at the back of the journals. Year 3 = step 3, Year 4 = step 4.
Link to video for column addition of 2 3-digit numbers:

Click here

Column subtraction

Make your own thousands, hundreds, tens and ones using straws, tooth pics, pencils, card, (or anything else you can think of which you can make into bundles of ten).
Practice column subtraction with your thousands, hundreds, tens and ones (subtracting two 4-digit numbers), then have a go at drawing them out, then have a go at drawing them out. Once you have done this, practise column subtraction with just numbers.
Try using dice to generate your numbers and make some column subtraction questions of your own.
Remember to use the inverse (addition) to check any answers.
See white pages Calculation: Subtraction policy at the back of the journals. Year 3 = step 3, Year 4 = step 4.
Link to video for column subtraction of 2 4-digit numbers:

Click here

Grid and column method multiplication

Children should know all their multiplications 12 x 12 by the end of the year.
Draw out arrays to show your multiplications.
Multiply a 3-digit number by a 2-digit by making your own place value counters to help you. You can either draw on counters or make your own out of card/paper.
Once you have had a go with counters, practise by drawing out the counters. Then have a go practising with just the numbers.
See white pages Calculation: Multiplication policy at the back of the journals.
Year 3 = step 1-4, Year 4 = step 5-8.

Link to video for multiplying a 2-digit number by a 1-digit number:

Click here

Short division – division as grouping and sharing

Get some something you can use to share (counters/raisins/grapes/sweets/pasta etc….) Practise dividing by sharing and dividing by grouping.

Link to video:

Click here

Divide a 3-digit number by a 1-digit number by making your own place value counters to help you. You can make your own out of card/paper. Once you have had a go with counters, practise short division drawing out the counters. Then have a go practising with just the numbers.
See white pages Calculation: Multiplication policy at the back of the journals. Year 3 = step 1-2, Year 4 = step 3.

Link to video for dividing a 2-digit number by a 1-digit number:

Click here

Maths games

Choose a maths game to play. Have a go making up new rules or inventing your own maths game. Click here
Links to maths games videos: Click here   and   Click here