

YR5 Home Learning Activities – Maths Set 1

Floor planner

Measure the perimeter of each room in your home to create a floor plan. You will need a tape measure, pencil, ruler and paper. (You may want to recruit a labourer too!)



Carefully and accurately, measure each wall length in all of your home's rooms. Draw each room to the plan as you go, noting the measurements. Do a different floor plan for each storey if you do not live in a flat or bungalow.









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Parallel punt

On a piece of A4 paper, draw a number of lines with a ruler and pencil or pen. Lines should be a variety of lengths and orientations.

Play on your own or with others. Each player looks at the piece of paper and is blindfolded. They attempt to draw a line which is parallel to one of the lines drawn on the paper using a ruler and their allocated coloured pencil.

If the line is exactly parallel, ensure that conventional markings are used. E.g. The first parallel lines should be marked (>) and the second (>>) and so on.

Keep playing the game for as long as you like. When you decide for it to end, calculate the scores if playing with others.







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Biscuit stack

Stack biscuits to see which numbers are prime (only divisible by themselves and 1)! Explore the numbers from 2–30.





When considering whether a number is prime or not, build its biscuit tower. See if you can divide the biscuits into an equal number of biscuits other than itself (the full stack) and 1 (equal piles of 1 biscuit) e.g. stacks of 2, 3, 4 5 etc...



If you can, then you will learn that the number is not prime; if you cannot, you will learn that the number is prime. Above, 6 divides by 3 so it is not prime.







Which number between 2 and 30 can you prove is prime in the most ways? Why?



Challenge

Explore whether two or more prime numbers can add together to make another prime number.

