

Maths Homework Grid (KS1)

Arty Maths

Create a messy geometric picture. Put masking tape onto the canvas in a series of intersecting lines of various lengths and at various angles. Now get messy! Splatter the canvas with paint, the more freeform the better. Allow the paint to dry then remove the tape. What shapes have you been left with?



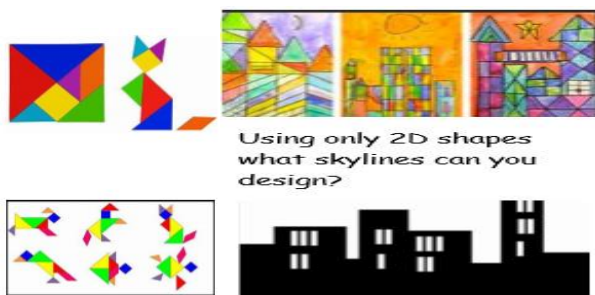
Maths Games

Choose a maths game to play each day.
Have a go at inventing your own maths game.
Link to a blog on maths games:

<https://matr.org/blog/fun-maths-games-activities-for-kids/>

Shape

Download a set of tangrams (<https://www.activityvilla.co.uk/tangram-colour>) Carefully cut out the tiles and use them to create your own pictures. Can you recreate some of the images below?



Symbols

Using mathematical symbols and digits create a portrait or a picture. Try to hide some of the symbols and challenge a grown up to try to find them all.



Cooking -Edible dominoes

Make edible dominoes using this recipe from Sainsbury's <https://recipes.sainsburys.co.uk/recipes/baking/domino-biscuits> You will need to weigh with grams and measure volume with tablespoons. 1 tablespoon is 15ml, can you convert the amount of milk into ml? What about if you made a double batch? Can you double the other ingredients too? You have to roll out the dough until it is 3mm thick. Use a ruler to check. Last of all cook them for 10 minutes. If you put the dominoes in at 3:30 what time would they be ready? What would that time look like on an analogue clock? Young children need to practise subitising (instantly recognising the number of objects in a small group without counting them) so put the smarties into a variety of arrangements on the biscuits instead of sticking to the classic dice formations in the picture. Ask older children to think systematically. If you had a different colour for each number, how many of one colour would you need for all the dominoes with a 6 on? With a 5 on? Etc. Can you use one answer to calculate the next answer more quickly? How? Play classic dominoes to practise number recognition and matching. Play again but this time, instead of matching numbers, place dominoes touching so that the total where they touch is always 6? Can you make a list of all the possible combinations in order? Add the numbers on each domino and sort them by total. Can older children work out how many dominoes there will be for each total before checking practically? What if the dominoes could have 7 or 8 on them?



Playdough

Make playdough - you could try this simple no cook recipe <https://www.bbcgoodfood.com/howto/guide/playdough-recipe> If you wanted to make two different colours, how much of each ingredient would you need now? What about if you wanted to make 3 colours or 4? Use playdough to investigate length and mass through play. Can you roll a sausage that is longer than the spoon? Shorter than the key? Can you make a bun that is heavier than the teaspoon? Help your child to get a feel for how heavy a gram and a kilogram are by using scales and by looking at weights on bags e.g. flour. Make playdough cupcakes and provide real decorations to put on them. Young children can follow a 'recipe' to decorate their cake making sure they recognise numerals and count accurately. Older children can work on division, multiplication and fractions with questions like. If we wanted to put 3 candles on each cake, how many candles would we need altogether? We have 24 silver balls and 6 cakes. If we want to share them equally how many would be on each cake? We are going to share the cakes between 4 children, how many cakes will they each get? Put a third of the jelly beans on this cake and then share the rest equally. How many will be on that cake?

