

1. Create a car track. Use strips of cardboard or tape to mark the edges of your road. Measure the length of each straight section of your track. Then add to find the total length of the straight road. How could you measure the bends?



4. How many ways can you make 1000 using 3 numbers or 4, 5 6, 7,8 and 9?

E.g.

Using 3 numbers:

30+70 +900

Using 9 numbers:

20+80+30+70+25+75+33+67+600

1000

5. Make a daily timetable for activities you do from waking up until going to bed. Choose how much time you want to spend on each activity.

Before 9:00 AM	Wake up!	Make your bed, eat breakfast, brush teeth, get dressed
9:00-10:00	Outdoor Time	Family walk or outdoor play
10:00-11:00	Academic Time	No Electronics! Reading, homework, study, puzzles, journal
11:00-12:00	Creative Time	Creative play, drawing, Legos, crafts, music, cooking, baking
12:00-12:30	LUNCH	
12:30-1:00	Home Chores	Clean rooms, put away toys, take out garbage, pet care
1:00-2:30	Quiet Time	Reading, nap, puzzles, yoga
2:30-4:00	Academic Time	Electronics OKI Educational games, online activities, virtual museum tour
4:00-5:00	Outdoor time	Family walk or outdoor play
5:00-6:00	Dinner time	Family dinner, help with clean-up and dishes
6:00-7:00	Bath time	Bath or shower
		Relating before bedtime

8. Draw a calculator layout of numbers and operations on pieces of paper and put them on the floor .First hop on one number, then an operation, another number, the equal sign, and finally the answer. For double-digit answers, you can split your last hop so that your left foot lands on the digit in the 10s place and your right foot



Repeat.

Maths Challenges 2

2. Can you make a car ramp? Slide your cars down the ramp and see how far they travel. Measure the distance. Then change the height and angle of the ramp. What happens to the distance the cars travel? Cover your ramp in some old cloth. What happens now? Why?



9. Write down three items

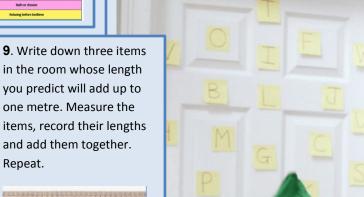
in the room whose length

you predict will add up to

one metre. Measure the

and add them together.

Write the numbers 1-30 on small squares of paper and attach them, in a random order, to the back of a door. Using a rolled up sock, small soft toy or sponge ball see if you can hit two different numbers. Add the pair of numbers you have hit. Then carry on seeing which the highest total you can make is. Try it with the alphabet too and count how throws it takes you to accurately spell out your name.



3. Can you make 3D shapes using spaghetti? Use marshmallows, blu tack or plasticine at the vertices. Then label and record their properties: edges, faces, vertices.

> **7**. Line up a variety of fruits and veg, such as oranges, bananas, cucumbers, kiwis, tomatoes, and peppers. Predict the order of the foods from lightest to heaviest. Use scales to test your predictions, then rearrange the foods according to their actual weights.

10.

and your family or carers to play.



lands on the digit in the ones place.

Invent a new board game for you