



# HOME Challenge Sheet

## Year 3 and 4

1



### Estimate & measure

Find 5 items that are under 30cm. Estimate their length.

Now measure them with a ruler. How close were you?

2

### 3D shapes

Can you find any of the following 3D shapes around your house?

**Cuboid, cylinder, pyramid, cone, sphere.**

Which do you have the most of?



3

### Count and multiply



Guess how many cupboards and drawers you have in one room of your house.

Now go and count them!

Multiply the two numbers together!

Now visit other rooms. Which room gives you the highest total?

4

### Symmetry

Make a symmetrical shape out of items around your house.

5

### Roman numeral sticks

Using spaghetti or pencils or lolly sticks can you make all of the numbers from 1 to 50?



6

### Stop the clock burpees

Use a stopwatch to time yourself doing 10 burpees. Have five attempts and record the times. What was the fastest time?

What was the difference between the fastest and slowest time?



7



5 minutes to find as many items as possible that begin with the letter A

5 minutes to find as many items as possible that begin with the letter B

5 minutes to find as many items as possible that begin with the letter C

How many items did you find in total?

Which letter of the alphabet do you think would give you the most items?

8

### Parallel and Perpendicular

Are you able to find 5 examples of parallel lines and 5 examples of perpendicular lines in your house?

9

### How many handles?

Count all of the handles in each room of the house. Plot a bar chart to show which room has the most handles.



10

### Maths on the Move number trail

Download and cut out the question cards and follow the answers around the house. [Download](#).