HOME Challenge Sheet

Year 5 and 6

1 How many handles?

Count all of the door handles in your house.

What fraction of the handles have locks?

2 Odd socks

Take three different pairs of socks (6 socks in total).

How many new pairs of socks can you make from the 6 socks you have?

3 Stop the clock star jumps

Use a stopwatch to time yourself doing 15 star jumps. Have five attempts and record the times.
What was the fastest time?

What was the difference between the fastest and slowest time?

4 How long?

Estimate the length of a room in your house.

Now measure it.

How close were you?

5 Always read the label!

Take a box/packet of food. Add up every number on the packet.

Check your answer with a calculator!

6 Find the area

Measure the area of the smallest and largest rooms in your house.

Smallest

Largest

What is the difference between your answers?

7 Count and multiply

Count each of the following in your house: chairs, doors, cupboards, windows, pillows, spoons, clocks and shoes.
Now multiply the following pairs together.
Before you begin counting - which calculation do you think will have the largest total?

Chairs x Doors

Cupboards x Windows

Pillows x Spoons

Clocks x Shoes

8 Prime number hunt

How many prime numbers are written around your house?

What is the largest prime number you can find?

9 Paper aeroplanes

Design and create three paper aeroplanes. Record the distance each plane flies and see which one flies the furthest.

Plane 1

Plane 2

Plane 3

What was the difference in cm between the three distances?

10 Maths on the Move number trail

Download and cut out the question cards and follow the answers around the house. Download.