



# 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!

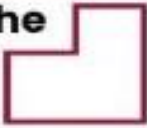


Take a box/packet of food. Add up every number on the packet.

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

# + X

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**



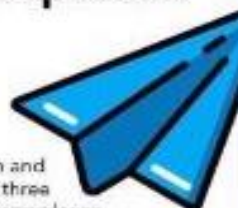
### Prime number hunt

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.