HOME Challenge Sheet

Year 5 and 6

Maths on the Move

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?
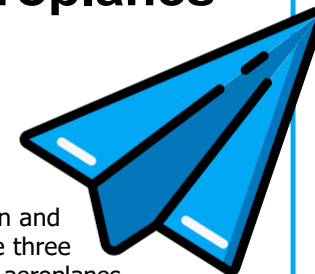
Chairs x Doors

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

Cut out the question cards and follow the answers around the house.