HOME Challenge Sheet

Year 1 and 2

MATHS on the MOVE

1 How many steps?

Count how many steps it takes you to get from one side of the room to the other. Which room takes the most steps?
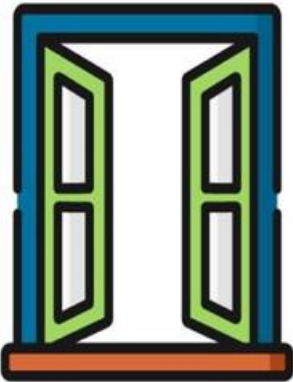
2 In height order

Collect 5 items that you can hold in your hands.

Now order the items from tallest to shortest.

3 Doors or windows

Count the number of windows in your house.

Count the number of doors in your house.

Do you have more doors or windows?

4 Numbers all around!

How many items in your house have a number on them? TV remote control, clock, etc.

Which object has the most numbers?

5 Traffic lights

Look around your house for red, yellow and green items. Every time you see an item of this colour write it down.

Which colour is the most popular?

6 Weigh it up

Collect 10 items from your house. Order them from lightest to heaviest. Now order them from tallest to shortest.

7 How many body parts?

How many people are in your house?

How many eyes in total?

How many legs?

How many noses?

How many toes?

8 2D Shape Hunt

Count how many of the following shapes you can find in your house.

Squares

Rectangles

Triangles

9 How many handles?

Count how many handles are in your house. Look for doors, cupboards, windows etc. How many did you find?

10 Maths on the Move number trail

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

HOME Challenge Sheet

Year 3 and 4

MATHS on the MOVE

1

Estimate & measure

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

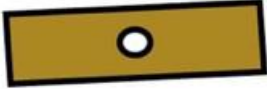Now measure them with a ruler. How close were you?

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.

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

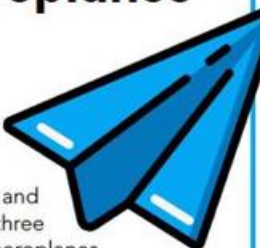Cupboards x Windows

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

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