Conversion conundrum

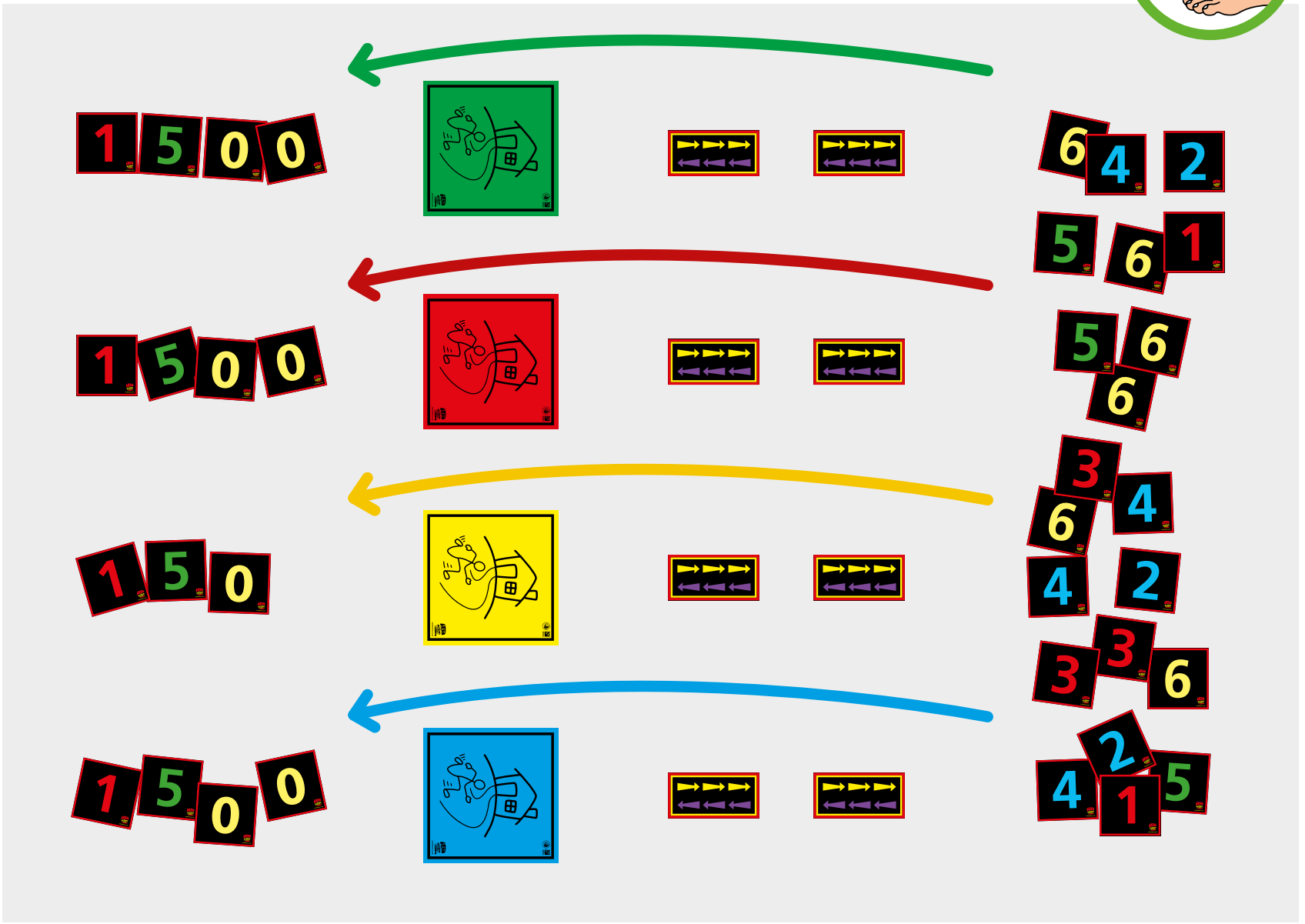
Year
5

Focus
Converting units

What's needed
x4 Home Mats

Action Mats required:
Shuttle Run Mat

Maths mats required:
Single and double digit mats



Warm Up

Maths Madness

Put place value labels on the floor where the whole class can see them: TH, H, T, U, . , t, h, th. Choose children to stand behind the labels as 'human digits'. Give each child a maths mat to hold to show what number they represent.

The number is then multiplied or divided by 10/100 and the 'human digits' physically jump the required number of columns.

For more able students include numbers with decimals and multiply or divide by 10/100/1000.

Main task

Conversion conundrum

Have the class lined up in teams behind the home mats. Please note, depending on the questions you give the class you may need to give students extra zero cards for their maths mats. You could simply write this on a post it or use quoits to represent them.

Teacher calls out a measurement and a unit for it to be converted into. Eg, 1.5km into m. or 3 hours into seconds.

The first member of the team runs to the maths mat and collects the first digit. Once they have returned the second team member collects the next digit and so on until the team have created the answer.

You may find it helpful to use a beanbag as a decimal place, students can then move this as required to convert units.

Higher ability groups give them an equation to solve
eg, 1.5km + 600m = _____m