



Rounding race

Year

5

Focus

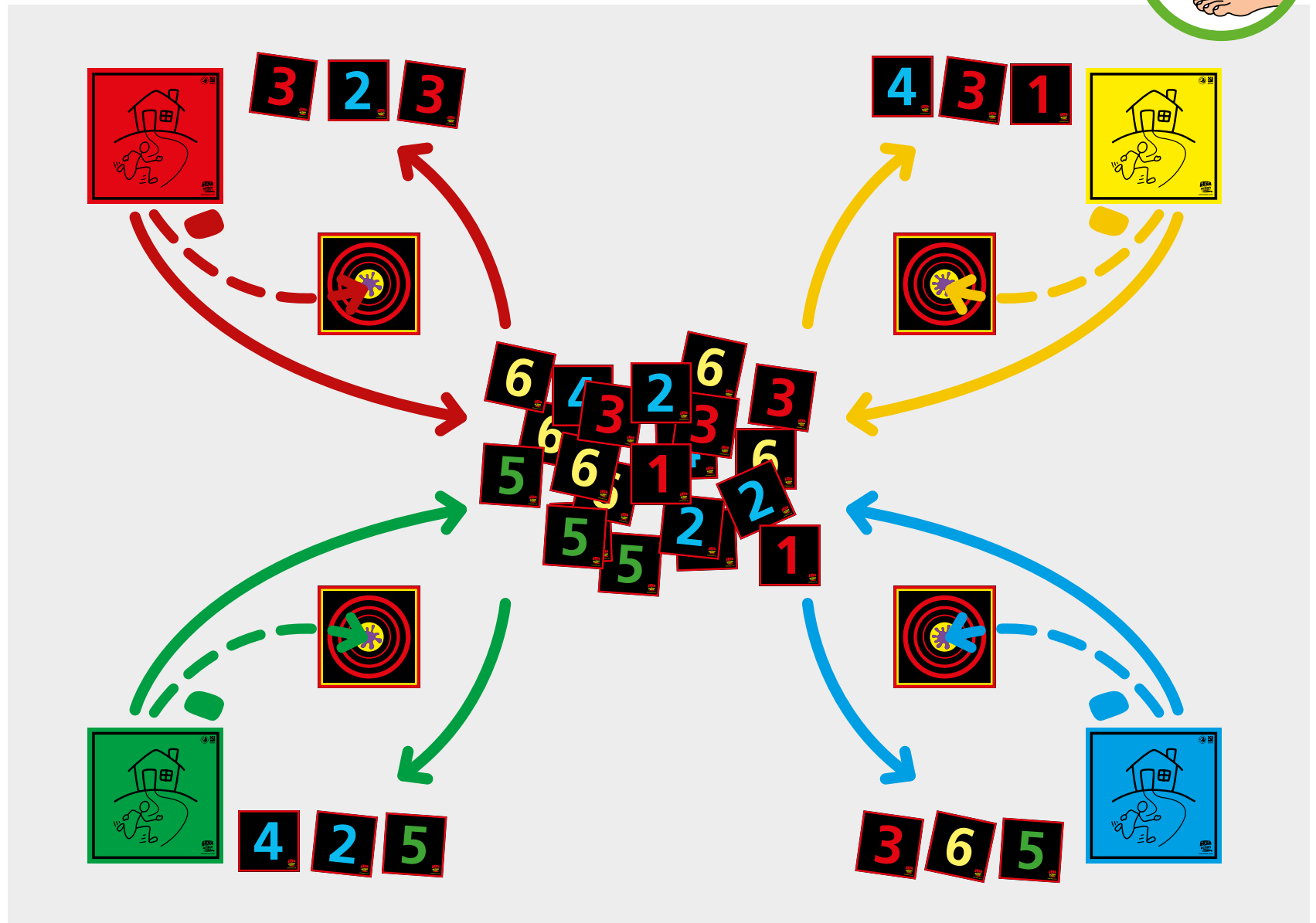
Rounding big numbers

What's needed

x4 Home Mats

Action Mats required:
target mats with beanbags

Maths mats required:
Single digit mats





Warm Up

Pick a side

The teacher places the number tiles to make 10 on one side of the room and to make 20 on the other.

Students move around the room and when instructed pick a side to move to.

Give the students a number to round to the nearest 10 where the answer is either 10 or 20, the students at the correct number get a point. Emphasise that 5 or up in the ones column goes up, under 5 the tens stay the same.

To illustrate this with lower ability groups lay out the number mats from 10 to 20 on the floor, have a student stand on the number to be rounded (eg, 13) and move to the nearest 10.

Main task

Rounding race

Students should be put into groups of no less than three. All team members stand behind the Home Mat apart from the person who is first in the queue who stands on the Home Mat.

The teacher calls out a number that is a multiple of 100 (eg, 400) the group decide on a three-digit number that can be rounded to this number (eg, if the answer is 400, the number could be anything between 350 and 449).

The first member of the group must then throw a beanbag onto the target before they collect the first digit of their chosen number. The second student does the same to collect the second digit and the third student repeats this before collecting the third digit. Students join the back of their line to ensure that the other team members get a turn with the next number.

Have students share the number they have made and peer assess their choices, explaining why this number can be rounded to the correct answer.

Move on to numbers that are 4, 5 and 6 digits.



For more able students have them round 6 digit numbers to the nearest 10, 100 or 1000. Eg the answer is 24,500, what numbers could be rounded to this?