



Fraction subtractions

Year

5

Focus

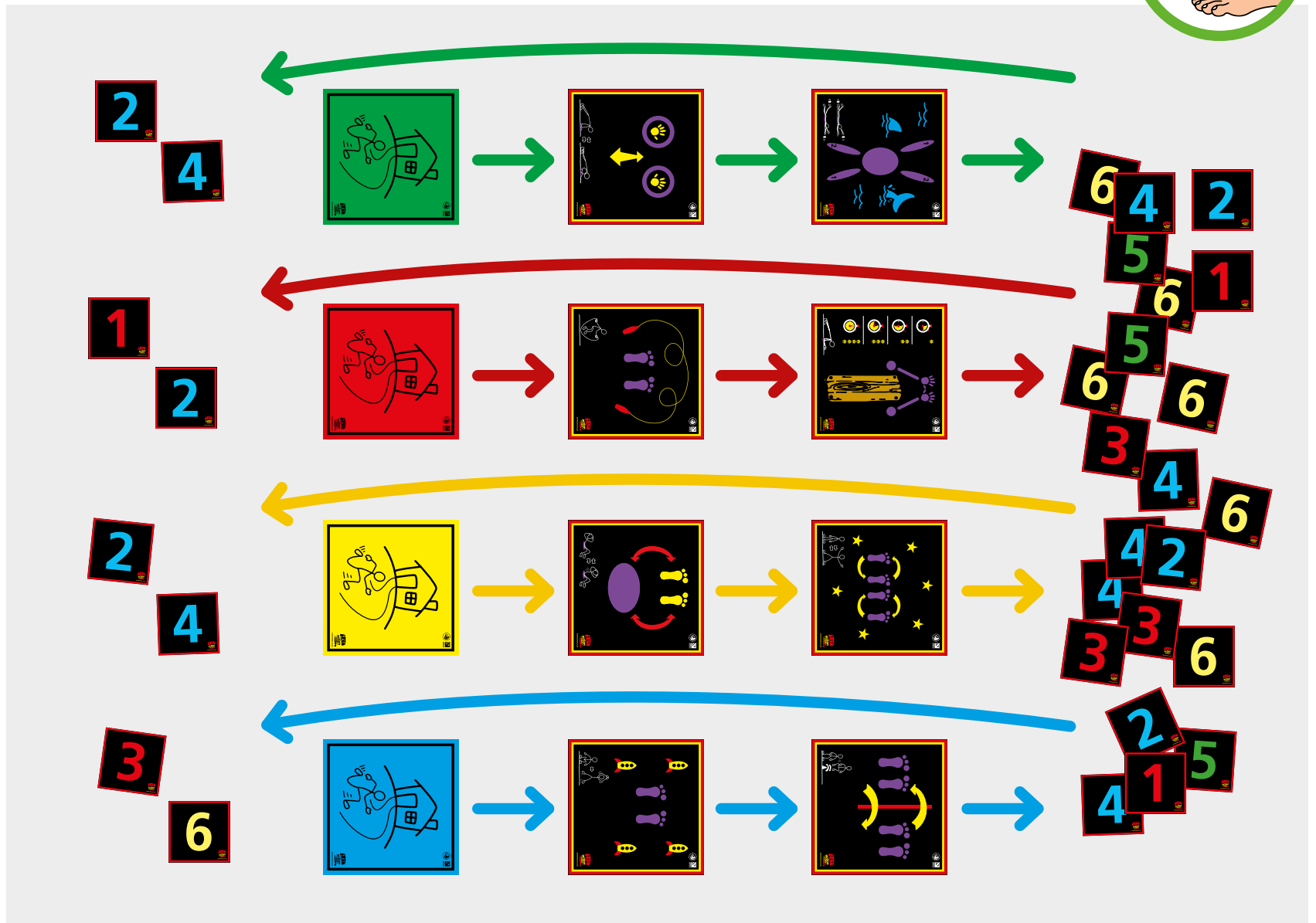
Fractions

What's needed

x4 Home Mats

Action Mats required:
Action mats of your choice

Maths mats required:
Single digit mats





Warm Up

Target Challenge

Split the class into groups and have the students line up behind a home mat.

The teacher calls out a fraction, the children must simplify the fraction as much as possible. (Eg, $\frac{2}{4}$ simplifies to $\frac{1}{2}$).

They then send a student to run from the home mat to the maths mat, completing 5 actions on each mat as they go. They collect the numerator and return to the home mat, the next student can then run to collect the denominator. The students then set up these numbers as a fraction.

Main task

Fraction subtractions

Divide the class into 4 teams, lined up behind a home mat.

The teacher calls out a question involving subtracting fractions (see examples below). As with the warm up students then run to the maths mat, completing actions on the actions mat on their way. The first student collects the numerator and returns to their team, the next student collects the denominator and returns to their team.

The first team to make the correct answer wins a point, bonus points awarded for the answer having been simplified.

Questions:

Low ability

$$\frac{5}{8} - \frac{3}{8}$$

$$\frac{7}{12} - \frac{4}{12}$$

$$\frac{3}{7} - \frac{4}{7}$$

$$\frac{1}{2} - \frac{1}{4}$$

$$\frac{1}{3} - \frac{1}{6}$$

Mid ability

$$\frac{3}{4} - \frac{3}{8}$$

$$\frac{5}{6} - \frac{1}{3}$$

$$\frac{1}{2} - \frac{3}{8}$$

$$\frac{2}{3} - \frac{2}{9}$$

$$\frac{3}{4} - \frac{1}{12}$$

High ability

$$\frac{5}{6} - \frac{2}{9}$$

$$\frac{1}{4} - \frac{5}{8}$$

$$\frac{3}{9} - \frac{2}{6}$$

$$\frac{2}{8} - \frac{1}{12}$$

$$\frac{3}{15} - \frac{6}{20}$$