

Teacher Overview

This is a **Problem Solving and Reasoning** lesson. It is designed to apply students' understanding to create fractions of groups. This will be a particularly tricky concept from many children so it should make a fun experiment for families at home and provoke good discussion. Feel free to suggest cutting the original group of 30 up then rearranging them into equal groups/rows.

Fractions of 30 that could be made:

- Halves (2 groups of 15)
- Thirds (3 groups of 10)
- Fifths (5 groups of 6)
- Sixths (6 groups of 5)
- Tenths (10 groups of 3)
- Fifteenths (15 groups of 2)

While children could do something like show $\frac{3}{5}$ (18 out of 30), the aim of this task is to consider what different numbers of parts they could show. The number 30 has been deliberately chosen to steer children towards thirds, fifths and tenths rather than using base-two fractions (halves, quarters, eighths). This gives you a good opportunity to demonstrate the Achievement Standard again.