

# Year 5 Problem Solving with Fractions– Guidance for Parents/Carers

## Activity:

The aim of this activity is for children to practise solving problems that include fractions. There are three questions to complete. The questions allow children to problem solve while applying their fractions skills.

## Vocabulary:

**Digit cards** refers to a physical resource which can be used to create numbers. The digits 0 to 9 are written on individual cards (or paper) and can be ordered to make different numbers.

An **integer** is a whole number, which is either positive or negative.

A **mixed number** is a fraction that includes the whole number and the fraction. For example  $1 \frac{1}{4}$ .

## Supporting resources:

You can watch a video tutorial about problem solving with fractions on [kids.classroomsecrets.co.uk](https://www.classroomsecrets.co.uk) >> **Year 5 >> Maths >> Fractions >> Video Tutorials.**

You can watch the answer explanation video which takes children through this activity and ways to answer it on <https://www.youtube.com/user/ClassroomSecretsLtd/> **playlists >> Year 5 Playlist >> Problem Solving with Fractions Answer Explanation.**

## Other resources:

If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on [classroomsecrets.co.uk/membership](https://www.classroomsecrets.co.uk/membership).

**Check out our daily timetable for Year 5 home learning activities on [kids.classroomsecrets.co.uk](https://www.classroomsecrets.co.uk) >> Home Learning Timetable.**

## Problem Solving with Fractions

1. Jasmine is incorrect as  $\frac{1}{6} \times 5 = \frac{5}{6}$  and  $\frac{1}{12} \times 4 = \frac{4}{12}$ .

$\frac{5}{6}$  is equivalent to  $\frac{10}{12}$  which is more than  $\frac{4}{12}$ . So Tom cycled further.

2.  $\frac{3}{11} \times 5 = 1 \frac{4}{11}$  and  $\frac{3}{11} \times 6 = 1 \frac{7}{11}$

3. 3 is the missing integer.