

## Activity:

The aim of this activity is for children to practise simplifying fractions. There may be more than one possible answer for each question. Example answers are provided.

## Vocabulary:

**Simplified fractions** are fractions where the numerator and denominator cannot be any smaller, although they must still be whole numbers. To find a simplified fraction, the numerator and denominator must be divided by the same number.

## Supporting resources:

You can watch a video tutorial about simplifying fractions on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> **Year 6 >> 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 6 Playlist >> Simplifying 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://classroomsecrets.co.uk/membership).

**Check out our daily timetable for Year 6 home learning activities on [kids.classroomsecrets.co.uk](https://kids.classroomsecrets.co.uk) >> Home Learning Timetable.**

# Simplify Fractions

1. Paul is simplifying fractions but he has spilt paint over his work.

A.  $\frac{18}{36} = \frac{\text{[spilt]}}{\text{[spilt]}}$

B.  $\frac{\text{[spilt]}}{24} = \frac{\text{[spilt]}}{6}$

C.  $\frac{12}{\text{[spilt]}} = \frac{\text{[spilt]}}{4}$

D.  $\frac{30}{\text{[spilt]}} = \frac{\text{[spilt]}}{5}$

E.  $\frac{\text{[spilt]}}{\text{[spilt]}} = \frac{1}{3}$

F.  $\frac{\text{[spilt]}}{\text{[spilt]}} = \frac{3}{7}$

Calculate possible solutions below.

Possible solutions include:

A.  $\frac{18}{36} = \frac{1}{2}$

B.  $\frac{4}{24} = \frac{1}{6}$

C.  $\frac{12}{16} = \frac{3}{4}$

D.  $\frac{30}{75} = \frac{2}{5}$

E.  $\frac{5}{15} = \frac{1}{3}$

F.  $\frac{12}{28} = \frac{3}{7}$