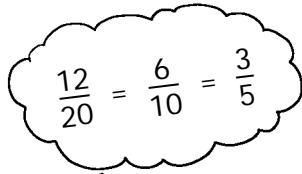


# Fractions made simple

**A**

Use **cancelling** to give these fractions in their simplest form.



- (a)  $\frac{12}{20} = \frac{3}{5}$       (b)  $\frac{30}{52} = \underline{\hspace{2cm}}$       (c)  $\frac{16}{42} = \underline{\hspace{2cm}}$
- (d)  $\frac{36}{90} = \underline{\hspace{2cm}}$       (e)  $\frac{40}{65} = \underline{\hspace{2cm}}$       (f)  $\frac{34}{51} = \underline{\hspace{2cm}}$
- (g)  $\frac{42}{126} = \underline{\hspace{2cm}}$       (h)  $\frac{64}{120} = \underline{\hspace{2cm}}$       (i)  $\frac{80}{116} = \underline{\hspace{2cm}}$
- (j)  $\frac{120}{180} = \underline{\hspace{2cm}}$       (k)  $\frac{144}{192} = \underline{\hspace{2cm}}$       (l)  $\frac{224}{264} = \underline{\hspace{2cm}}$



**B**

1. In this survey, people were asked which one country they would like to visit this year.

You need to find the total number of people. **!**

Greece	8
Spain	9
France	12
USA	4
Portugal	3
Total	

What fraction of the people surveyed would choose to visit:

- (a) Greece?  $\underline{\hspace{2cm}}$
- (b) Spain?  $\underline{\hspace{2cm}}$
- (c) France?  $\underline{\hspace{2cm}}$
- (d) USA?  $\underline{\hspace{2cm}}$
- (e) Portugal?  $\underline{\hspace{2cm}}$

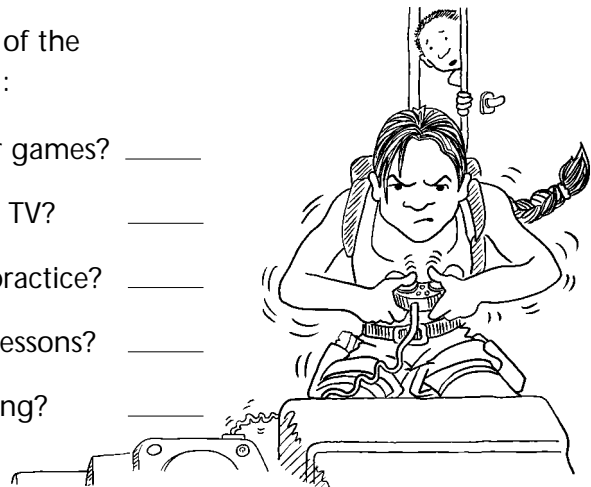


2. In this survey, teenagers were asked to name the main activity they did last night.

Computer games	8
Watching TV	7
Football practice	20
Dancing lessons	4
Horse riding	9
Total	

What fraction of the teenagers said:

- (a) computer games?  $\underline{\hspace{2cm}}$
- (b) watching TV?  $\underline{\hspace{2cm}}$
- (c) football practice?  $\underline{\hspace{2cm}}$
- (d) dancing lessons?  $\underline{\hspace{2cm}}$
- (e) horse riding?  $\underline{\hspace{2cm}}$



**Cancelling** is where you divide a numerator and a denominator by the same number. Remember to give your answers as fractions in their simplest form. To do this, divide the **numerator** (top number) and the **denominator** (bottom number) by the same number until there is no other number that will divide exactly into both: for example  $\frac{8}{20} = \frac{4}{10} = \frac{2}{5}$ .