

Fractions made simple

Understand equivalence and give fractions in simplest form

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Read this football report.

Yesterday afternoon saw the long-awaited clash between United and City, and what a clash it was. **66 436** people, including **8696** children, saw City dominate the opening period. The **3256** City fans cheered their team's attacking play.

Their first shot on target came in the **6th** minute, they hit the bar in the **15th** and then had a penalty appeal turned down in the **35th** before scoring in the **44th**. United were on the back foot and did not manage a single shot until the **27th** minute.

All was to change, however, in the second half. United came out recharged and, when City had a man sent off in the **64th** minute, United took full advantage. They scored in the **66th** and **72nd** minutes to earn a **2-1** victory.

Match facts	City	United
Possession of the ball (min.)	54	36
Fouls	21	24
Offside offences	8	6



Answer the questions, giving your answers as fractions in their simplest form.

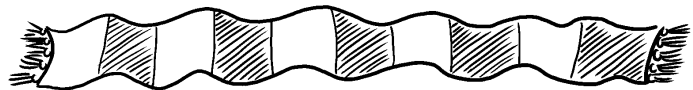
1. After what fraction of the 90-minute match did **City**:

- (a) have their first shot? _____ (b) hit the bar? _____ (c) score? _____
 (d) have a penalty appeal turned down? _____ (e) have a man sent off? _____

2. After what fraction of the 90-minute match did **United**:

- (a) have their first shot? _____ (b) score their first goal? _____
 (c) score their second goal? _____

3. What fraction of:

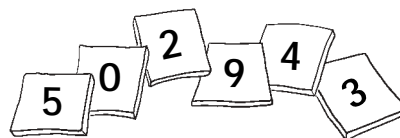


- (a) the possession did each team have? City _____ United _____
 (b) the fouls did each team commit? City _____ United _____
 (c) the offside offences did each team commit? City _____ United _____

NOW TRY THIS!

- Use these digits to make at least six fractions equivalent to $\frac{5}{9}$. You can use the same digit more than once.

Example: $\frac{25}{45}$



To change a fraction to its simplest form, 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 $\frac{8}{20} = \frac{4}{10} = \frac{2}{5}$.