

## Year 5 maths activity 3 answers

**5a.**  $>$  This is because  $\frac{2}{6}$  is the same as  $\frac{6}{18}$  (time both parts of fraction by 3).  $\frac{6}{18}$  is greater than  $\frac{5}{18}$ . The open part of the sign goes to the bigger amount.

**5b**  $<$  This is because  $\frac{3}{5}$  is the same as  $\frac{9}{15}$  (time both parts of fraction by 3).  $\frac{9}{15}$  is greater than  $\frac{8}{15}$ . The open part of the sign goes to the bigger amount.

**6a.** Each bar is split into 12 equal parts so it makes it easier to convert all fractions into twelfths.

$$\frac{2}{3} = \frac{8}{12} \text{ (A)}$$

$$\frac{5}{6} = \frac{10}{12} \text{ (B)}$$

$$\frac{5}{12} \text{ (C)}$$

**6b.** Each bar is split into 20 equal parts so it makes it easier to convert all fractions into twentieths.

$$\frac{8}{10} = \frac{16}{20} \text{ (C)}$$

$$\frac{1}{2} = \frac{10}{20} \text{ (B)}$$

$$\frac{11}{20} \text{ (A)}$$

**7a.** False because  $\frac{4}{5}$  is larger so it should be  $\frac{4}{5} > \frac{4}{9}$

**7b.** True – ninths are bigger than elevenths. So  $\frac{6}{11}$  is less than  $\frac{6}{9}$ .

**8a.** The largest fraction is  $\frac{5}{6}$ .

**8b.** The largest fraction is  $\frac{3}{4}$

## Challenge

**4a.** Luna is incorrect. Various answers, for example: She could use a bar model which shows that  $\frac{2}{3} > \frac{2}{9}$  as each third is larger than each ninth.

**5a.**  $\frac{8}{15}$ ,  $\frac{5}{10}$