

# Ratios

Examples → 3 to 4, 3:4,  $\frac{3}{4}$   
10 to 7, 10:7,  $\frac{10}{7}$   
a to b, a:b,  $\frac{a}{b}$

Write each ratio as a fraction in simplest form.

- 1) 20 boys: 12 girls      2) 35 pencils to 50 pens

$$\frac{20 \div 4}{12 \div 4} = \frac{5}{3}$$

$$\frac{35 \div 5}{50 \div 5} = \frac{7}{10}$$

Determine whether the ratios are equivalent.

- 3) 48 questions to 20 multiple choice  
36 questions to 15 multiple choice

$$\frac{48 \div 4}{20 \div 4} = \frac{12}{5}$$

$$\frac{36 \div 3}{15 \div 3} = \frac{12}{5}$$

} Yes, they are equivalent.