



Name: _____



Boris and John share some money in the following ratios. What fraction of the money does Boris get?

a) 4:1	$\frac{4}{5}$	d) 2:11	$\frac{2}{13}$	g) 13:7	$\frac{13}{20}$	j) 17:5	$\frac{17}{22}$
b) 7:2	$\frac{7}{9}$	e) 6:3	$\frac{6}{9}$	h) 15:11	$\frac{15}{26}$	k) 17:9	$\frac{17}{26}$
c) 8:3	$\frac{8}{11}$	f) 6:5	$\frac{6}{11}$	i) 6:13	$\frac{6}{19}$	l) 7:17	$\frac{7}{24}$

Ernie, Frank and Gina share some money in the following ratios. What fraction of the money does Ernie get?

a) 3:4:5	$\frac{3}{12}$	d) 6:9:15	$\frac{6}{30}$	g) 11:12:17	$\frac{11}{40}$
b) 7:4:1	$\frac{7}{12}$	e) 5:9:2	$\frac{5}{16}$	h) 15:11:19	$\frac{15}{45}$
c) 1:5:9	$\frac{1}{15}$	f) 9:4:7	$\frac{9}{20}$	i) 18:12:24	$\frac{18}{54}$

Find the ratio **a : c** if:

a) The ratio of a : b is 4 : 3 and the ratio of b : c is 1 : 5	4 : 15
b) The ratio of a : b is 4 : 7 and the ratio of b : c is 2 : 5	8 : 35
c) The ratio of a : b is 5 : 2 and the ratio of b : c is 6 : 11	15 : 11
d) The ratio of a : b is 3 : 4 and the ratio of b : c is 5 : 9	15 : 36

In each case, there are 6000 buttons in the colours blue, red and green.

f) The ratio of red : blue is 4 : 1 and the ratio of blue : green is 3 : 5 What fraction of the buttons are blue?	$\frac{3}{20}$
g) The ratio of red : blue is 5 : 3 and the ratio of blue : green is 2 : 8 What fraction of the buttons are red?	$\frac{10}{40} = \frac{1}{4}$

Exam question:

The ratio of cows to sheep is 8:3
The ratio of sheep to pigs is 2:5
What fraction of all the animals are cows?

$$\frac{16}{37}$$

