



Name: \_\_\_\_\_



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

|        |                      |         |                      |          |                      |         |                      |
|--------|----------------------|---------|----------------------|----------|----------------------|---------|----------------------|
| a) 4:1 | <input type="text"/> | d) 2:11 | <input type="text"/> | g) 13:7  | <input type="text"/> | j) 17:5 | <input type="text"/> |
| b) 7:2 | <input type="text"/> | e) 6:3  | <input type="text"/> | h) 15:11 | <input type="text"/> | k) 17:9 | <input type="text"/> |
| c) 8:3 | <input type="text"/> | f) 6:5  | <input type="text"/> | i) 6:13  | <input type="text"/> | l) 7:17 | <input type="text"/> |

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

|          |                      |           |                      |             |                      |
|----------|----------------------|-----------|----------------------|-------------|----------------------|
| a) 3:4:5 | <input type="text"/> | d) 6:9:15 | <input type="text"/> | g) 11:12:17 | <input type="text"/> |
| b) 7:4:1 | <input type="text"/> | e) 5:9:2  | <input type="text"/> | h) 15:11:19 | <input type="text"/> |
| c) 1:5:9 | <input type="text"/> | f) 9:4:7  | <input type="text"/> | i) 18:12:24 | <input type="text"/> |

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

|  |                      |
|--|----------------------|
| a) The ratio of a : b is 4 : 3<br>and the ratio of b : c is 1 : 5  | <input type="text"/> |
| b) The ratio of a : b is 4 : 7<br>and the ratio of b : c is 2 : 5  | <input type="text"/> |
| c) The ratio of a : b is 5 : 2<br>and the ratio of b : c is 6 : 11 | <input type="text"/> |
| d) The ratio of a : b is 3 : 4<br>and the ratio of b : c is 5 : 9  | <input type="text"/> |

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

|   |                      |
|---|----------------------|
| f) The ratio of red : blue is 4 : 1<br>and the ratio of blue : green is 3 : 5<br>What fraction of the buttons are blue? | <input type="text"/> |
| g) The ratio of red : blue is 5 : 3<br>and the ratio of blue : green is 2 : 8<br>What fraction of the buttons are red?  | <input type="text"/> |

**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?

