

- 1 Draw bars for 24 apples to 18 oranges
- 2 Divide both parts by 6 to get 4:3
- 3 Check the bars show the same relative lengths

Draw bar models to show equivalent and simplified ratios

1. Draw bars for 6:9 then simplify by dividing both by 3
2. Draw bars for 15:10 then simplify by dividing both by 5
3. Draw bars for 24:18 then simplify by dividing both by 6

- 1 A basket has 14 red apples and 22 green apples.
Simplify the ratio of red to green apples.
- 2 A shop sells packs with 26 bananas and 34 oranges.
Simplify the ratio of bananas to oranges.
- 3 A trolley holds 21 tins of soup and 39 tins of beans.
Simplify the ratio of soup to beans.
- 4 A recipe uses 2 cups of flour to 5 cups of milk. Write three equivalent ratios by multiplying both parts by 2, by 3 and by 4.
- 5 A bag has 1 chocolate bar to 4 sweets. Write two equivalent ratios by multiplying both parts by 2 and by 3.

Always, sometimes or never true? Write A, S or N.

- a. Dividing both parts of 6:9 by 3 gives an equivalent ratio
- b. 8:12 and 4:6 show the same comparison
- c. Multiplying only one part of a ratio keeps it equivalent
- d. A ratio is already in its simplest form.