



Quick Test - Ratios

1. Write each of these ratios in their simplest form:

a.	4 : 6	b.	15 : 21
c.	72 : 45	d.	24cm : 36cm
e.	350g : 2kg	f.	42p : £1.36

2. To make grey paint, black and white are mixed in the ratio 5 : 3. How much black would be needed with:

- a. 6 litres of white?
- b. 12 litres of white?
- c. 21 litres of white?

3. To make salad dressing you mix olive oil and vinegar in the ratio 5 : 2. How much olive oil is needed with:

- a. 10ml of vinegar?
- b. 30ml of vinegar?
- c. 42ml of vinegar?

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4. Sarah works as a waitress. Each week she splits her wage into spending money and savings in the ratio 7 : 3.

- a. One week, Sarah earns £130. How much should she put in her savings?
- b. The next week, Sarah put £42 into her savings. How much did she earn in total that week?

5. The ratio of men to women at a football match is 11 : 4. How many men were there if there are:

- a. 2000 women?
- b. 8460 women?

6. Divide £75 in the ratio 2:3

7. Divide £255 in the ratio 2:5:8

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8. Arni, Bethany and Carrie save some money in the ratio 3:4:9. Carrie saved £150 more than Bethany.

- a. Show that Arni saved £90
- b. Show that the total amount of money saved is £480

9. Brass is made from copper and zinc.

The ratio of the weight of copper to the weight of zinc is 3:4.

Simon made 24.5g of brass. Calculate the weight of copper that Simon used.

10. Carrie and Josh shared some money in the ratio of 2:7. Josh received £30 more than Carrie. How much money did they each receive?