

## Answers to Ratio and Proportion – week 14

- 1) 6: 3.
- 2) We need four tins of white paint and one tin of red to make pink paint.
  - a) 4:1
  - b) 1:4
- 3) We need 4 oz of flour, 2 oz of butter, and 2 oz of sugar to make 8 cupcakes.
  - a) 4:2:2
  - b) 2:2:4
- 4) There are six boys to every 12 girls in Robyn's class.
  - A) 6:12 or 1:2
  - B) 12:6 or 2:1
- 5) Yes
- 6) Are the ratios  $5/20$  and  $20:100$  equivalent?

No. We need to multiply the denominator 20 by 5 to get 100, so the numerator also has to be multiplied by 5, giving us  $25/100$ .
- 7) There are eight hens to one rooster in every flock.
  - a) 8:1
  - b) 1:9
- 8) How do you write  $5:5$  as a fraction?  
 $5/10$
- 9) How do you write  $9/10$  as a percentage?  
90%
- 10) A shop sells 7 vanilla ice-creams to every 13 chocolate ice-creams. What is the proportion of vanilla ice-creams sold to the total ice creams? What percentage is that?  
 $7/20$ 

To get the percentage, we need to multiply the denominator by 5 to get 100, so we need to multiply the numerator by 5 =  $35/100$ .