1.   Simplify the following ratios fully.

(a) 2 : 20   (b) 4 : 26   (c) 8 : 50   (d) 16: 22
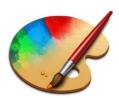
(e) 0.5 : 4   (f) 2.6 : 3

2.   The number of boys to girls in a class is split in the ratio 4 : 3.

        If there are 12 girls in the class, how many boys would there be?

3.   To make diluting juice water and juice are split in the ratio 5 : 2.

        (a) If there is 240ml of juice, how much water is needed?

        (b) How much would there be altogether when the water and juice are mixed?

4.   A painter has mixed together 21 litres of purple paint using red and blue paint.

        The paint was split in the ratio 3 : 4. How much of each paint was used?

5.   The prize money for a race is split in the ratio 5 : 3 : 1 for 1st, 2nd and 3rd.

        The total prize money for the race is £3582.

        How much would each position win?

6.   The cost of a packet of 4 apples is £1.32. How much would 6 apples cost?

7.   Ian takes 15 minutes to read 40 pages of a book.

        How long would it take him to read 75 pages?

8.   It takes 3 workmen 14 hours to decorate a house.

        How long would it take 4 workmen?