

21. Complete the **variables** in this table about **rectangles**.

	length	width	area	perimeter
(a)	14cm	9cm		
(b)	14cm			52cm
(c)	14cm		182cm ²	
(d)		16cm	288cm ²	

22. Write the value of the **variable** in each of these.

- (a) $4 : 7 = \underline{\quad} : 21$ (b) $9 : 4 = 45 : \underline{\quad}$ (c) $5 : \underline{\quad} = 15 : 24$
 (d) $\underline{\quad} : 6 = 35 : 30$ (e) $56 : \underline{\quad} = 7 : 9$ (f) $\underline{\quad} : 36 = 8 : 3$

B. Sequences

Work out the **pattern** and write the next **three numbers** in each of these **sequences**.

1. (a) 12, 24, 36, 48, , , (b) 5, 12, 19, 26, , ,
 (c) 82, 73, 64, 55, , , (d) 93, 81, 69, 57, , ,
 (e) 1.3, 1.9, 2.5, 3.1, , , (f) 8.3, 7.6, 6.9, 6.2, , ,

2. (a) 1, 4, 9, 16, , , (b) 1, 3, 6, 10, , ,
 (c) 1, 3, 7, 13, , , (d) 2, 5, 10, 17, , ,
 (e) 2, 4, 8, 16, , , (f) 91, 89, 86, 82, , ,

3. Write the next **three equivalent fractions** for each of these.

- (a) $\frac{1}{3}, \frac{2}{6}, \frac{3}{9}, \underline{\quad}, \underline{\quad}, \underline{\quad}$ (b) $\frac{3}{4}, \frac{6}{8}, \frac{9}{12}, \underline{\quad}, \underline{\quad}, \underline{\quad}$
 (c) $\frac{5}{6}, \frac{10}{12}, \frac{15}{18}, \underline{\quad}, \underline{\quad}, \underline{\quad}$ (d) $\frac{7}{12}, \frac{14}{24}, \frac{21}{36}, \underline{\quad}, \underline{\quad}, \underline{\quad}$
 (e) $\frac{4}{9}, \frac{8}{18}, \frac{12}{27}, \underline{\quad}, \underline{\quad}, \underline{\quad}$ (f) $\frac{8}{15}, \frac{16}{30}, \frac{24}{45}, \underline{\quad}, \underline{\quad}, \underline{\quad}$

4. Write the next **equivalent ratio** for each of these.

- (a) $2 : 1, 4 : 2, 6 : 3, \underline{\quad}$ (b) $5 : 7, 10 : 14, 15 : 21, \underline{\quad}$
 (c) $9 : 2, 18 : 4, 27 : 6, \underline{\quad}$ (d) $7 : 4, 14 : 8, 21 : 12, \underline{\quad}$
 (e) $3 : 8, 6 : 16, 9 : 24, \underline{\quad}$ (f) $6 : 5, 12 : 10, 18 : 15, \underline{\quad}$