

## National 3 Shape, Space and Measure Unit Revision

1. Copy and complete the bus timetables shown.

(a)

Bus 1	1020	1034	1048		
Bus 2	1045	1059			

(b)

Bus 1	0916	0925			
Bus 2	0937	0946			

(c)

Bus 1	1245	1257			
Bus 2	1314	1326			

(d)

Bus 1	2021	2043			
Bus 2	2039	2101			

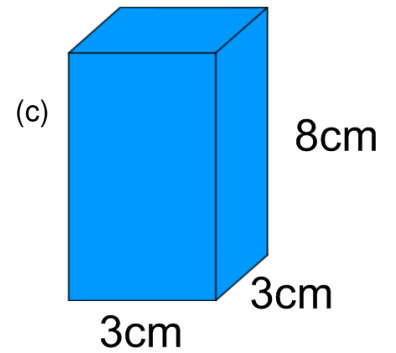
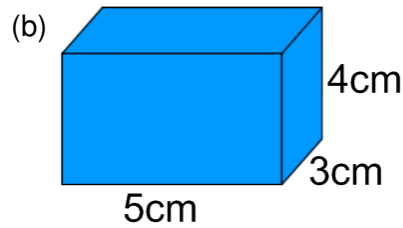
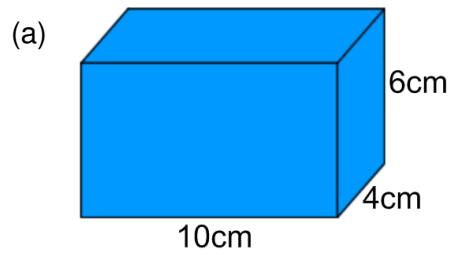
(e)

Bus 1	1528	1532			
Bus 2	1541	1545			

(f)

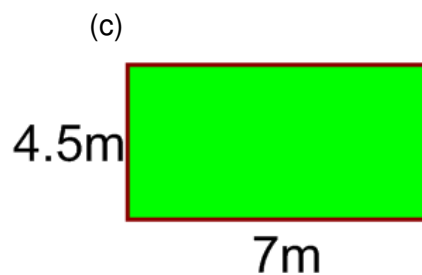
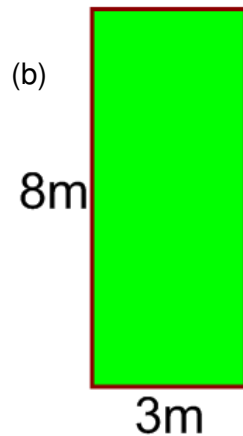
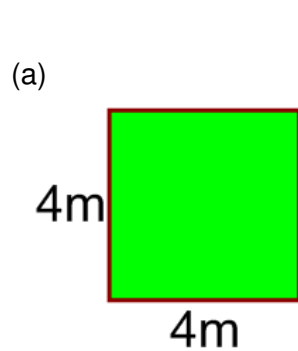
Bus 1	2318	2333			
Bus 2	2335	2350			

2. Calculate the volume of the cuboids shown below.



3. The volume of each cuboid in question 2 is to be doubled.  
Write down the sizes of the new cuboids.

4. Calculate the perimeter of each garden shown here.



5. Calculate the area of each garden in question 4.

6. Calculate the fractions of the numbers shown.

(a)  $\frac{1}{3}$  of 240      (b)  $\frac{1}{4}$  of 120      (c)  $\frac{1}{5}$  of 7580      (d)  $\frac{1}{7}$  of 490

e)  $\frac{1}{6}$  of 360      (f)  $\frac{1}{8}$  of 480      (g)  $\frac{2}{3}$  of 120      (h)  $\frac{3}{4}$  of 600

7. Copy and complete the tables shown below.

(a)

Number of Posts (P)	2	3	4	5	6	7
Number of Strips (S)	3	6	9			

(b)

Number of Days (D)	1	2	3	4	5	6
Cost (C)	15	20	25			

(c)

Time in hours (T)	2	3	4	5	6	7
Number of Strips (S)	3	6	9			

(d)

x	1	2	3	4	5	6
y	1	5	9			

(e)

x	2	3	4	5	6	7
y	5	11	17			

(f)

Distance (D)	1	2	3	4	5	6
Cost (C)	4	6	8			

(g)

A	1	2	3	4	5	6
B	5	7	9			

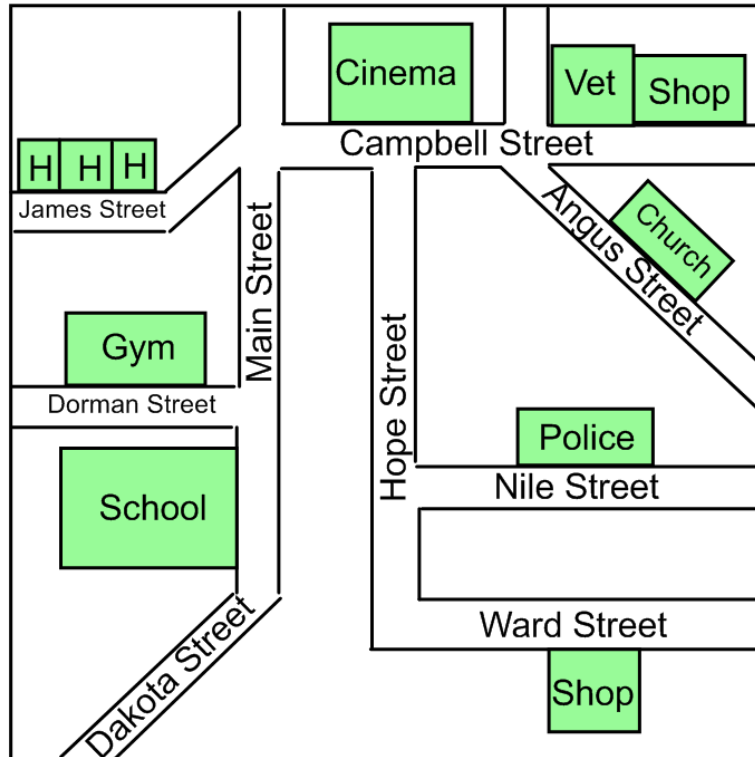
(h)

Time (T)	3	4	5	6	7	8
Cost (C)	45	55	65			

8. The scale on a map shows 1cm = 400m.  
Calculate the real distance of the following distances from the map.

- (a) 5cm                      (b) 12cm                      (c) 12.5cm                      (d) 14cm  
(e) 2.5cm                      (f) 0.5cm                      (g) 13.6cm

9.



Using the map above. Answer the following questions.

- (a) Describe the journey from the School to the cinema.  
(b) Describe the journey from the Vet to the Police station.  
(c) Using a scale of 1cm = 500m.  
How far would it be to walk from the Cinema to the shop on Ward Street?  
(d) What is the walking distance between the two shops shown?