Timetable



Location	Ferry A	Ferry B	Ferry C	Ferry D
Northside Wharf	1150	1215	1240	1305
University Gardens Wharf	1154	1219	1244	
Eastwood Wharf	1159	1224	1249	
Great Dome Hotel Wharf	1205	1230	1255	
Star Street Wharf	1214	1239	1304	
Westside Wharf	1219	1244	1309	
Kew Bridge Wharf	1231	1256	1321	
State Park Wharf	1235	1300	1325	
City Central Wharf	1240	1305	1330	

This is part of the timetable for the river ferries in a busy city. Use am and pm notation to answer these questions.

- I When does:
 - a Ferry A leave Eastwood? _____ b Ferry B leave State Park? _____
 - c Ferry C leave Westside? _____

- 2 How long does it take:
 - a Ferry A to travel from Westside to Kew Bridge? _____
 - b Ferry C to travel from Westside to Kew Bridge? _____
- **3** How long is the trip from:
 - a Northside to University Gardens?_____ b Great Dome Hotel to Star Street? _____
 - c Kew Bridge to City Central? _____
 - e Eastwood to City Central? _____
 - g How long is the whole trip? _____
- 4 Complete the timetable for Ferry D.
- **5** What is the longest time you have to wait for a ferry at:
 - a University Gardens? ______ b Great Dome Hotel? ______ c Kew Bridge? _____
- 6 Jerry has to be at City Central at twenty-five past one. What ferry must he catch from Star Street?

Challenge! Work with a friend. Make up a transport timetable. Write 8 questions about it. Make sure you know the answers. Swap questions with another pair.



d Ferry A leave Kew Bridge? ____

d Star Street to State Park?

f University Gardens to Kew Bridge?

h How long would a return trip be?

Cubic centimetres



Activity Work in a group of 4.

Lab 5

You need a medicine measure and some cubic centimetre blocks.

- a Place IO mL of water in the measure.
- b Put in 5 cubic centimetre blocks.
- c What is the new water level?

Water level	Number of cubic centimetre blocks	New water level
IO mL	5	
	10	
	20	

- d Repeat with 10 blocks and 20 blocks.
- e Discuss the results with your group.
- f What did you find? _____
- **2** Complete the table

Prism	Volume in cm ³	Capacity in mL
a 2 cm × 2 cm × 2 cm	8 cm ³	
b 3 cm × 2 cm × I cm		
c 4 cm × 3 cm × 2 cm		
d 3 cm × 3 cm × 2 cm		

Remember cm³→ cubic centimetre mL→ millilitre I cm³ = I mL

- **3** a If the volume of a prism is 1000 cm³, what is the capacity? _____
 - b What are the dimensions of a prism with a capacity of I L?
 - c Build, using cubic centimetre blocks, a prism with a volume of 1000 cm³.



Challenge! Use isometric dot paper to draw 4 different prisms with a capacity of 1 L. Label their dimensions.

