## Ifmetable

| 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? $\qquad$ b Ferry B leave State Park? $\qquad$
c Ferry C leave Westside? $\qquad$ d Ferry A leave Kew Bridge?

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? $\qquad$


3 How long is the trip from:
a Northside to University Gardens? $\qquad$ b Great Dome Hotel to Star Street? $\qquad$
c Kew Bridge to City Central? $\qquad$
e Eastwood to City Central? $\qquad$
g How long is the whole trip? $\qquad$ -
d Star Street to State Park?
f University Gardens to Kew Bridge? $\qquad$
h How long would a return trip be? $\qquad$

4 Complete the timetable for Ferry D.
5 What is the longest time you have to wait for a ferry at:
a University Gardens? $\qquad$ b Great Dome Hotel?
$\qquad$ c Kew Bridge? $\qquad$
6 Jerry has to be at City Central at twenty-five past one. What ferry must he catch from Star Street? $\qquad$
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.

Work in a group of 4.
You need a medicine measure and some cubic centimetre blocks.
a Place 10 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 <br> centimetre blocks | New water level |
| :---: | :---: | :---: |
| 10 mL | 5 |  |
|  | 10 |  |
|  | 20 |  |


d Repeat with 10 blocks and 20 blocks.
e Discuss the results with your group.
f What did you find? $\qquad$
$\qquad$

2 Complete the table

| Prism | Volume in $\mathrm{cm}^{3}$ | Capacity in mL |
| :--- | :---: | :---: |
| a $2 \mathrm{~cm} \times 2 \mathrm{~cm} \times 2 \mathrm{~cm}$ | $8 \mathrm{~cm}^{3}$ |  |
| b $3 \mathrm{~cm} \times 2 \mathrm{~cm} \times 1 \mathrm{~cm}$ |  |  |
| c $4 \mathrm{~cm} \times 3 \mathrm{~cm} \times 2 \mathrm{~cm}$ |  |  |
| d $3 \mathrm{~cm} \times 3 \mathrm{~cm} \times 2 \mathrm{~cm}$ |  |  |



Remember

$$
\mathrm{cm}^{3} \rightarrow \text { cubic centimetre }
$$ $\mathrm{mL} \rightarrow$ millilitre $1 \mathrm{~cm}^{3}=1 \mathrm{~mL}$




3 a If the volume of a prism is $1000 \mathrm{~cm}^{3}$, 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 $1000 \mathrm{~cm}^{3}$.
Challenge! Use isometric dot paper to draw 4 different prisms with a capacity of I L. Label their dimensions.

