

Comparing capacities

Discover

orange juice
2 l 400 ml

water
2,500 ml

lemon squash
1 l 450 ml

apple juice
1 $\frac{1}{2}$ l

- a) Is there more orange juice or more lemon squash?
Show how you know.
- b) Put the drinks in order of amount, from the most to the least.

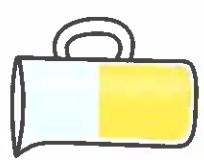
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a)

I will try looking at the number of litres in each.



orange juice
2 l 400 ml



lemon squash
1 l 450 ml

The orange juice has 2 litres, the lemon squash has only 1 litre.
There is more orange juice.

b)

I need to think about both the litres and the millilitres.

orange juice	2 l	400 ml	lemon squash	1 litre	450 ml
water	2,000 ml	500 ml	apple juice	1 litre	1 $\frac{1}{2}$ l
				1 litre	500 ml

2,500 ml > 2 l 400 ml

There is more water than orange juice.

1 $\frac{1}{2}$ l > 1 l 450 ml

There is more apple juice than lemon squash.

The drinks in order of amount from most to least are:
water, orange juice, apple juice, lemon squash.

think together

- a) Which toy car has the greater fuel capacity?


$$1 - \frac{1}{2}$$


11 400 ml

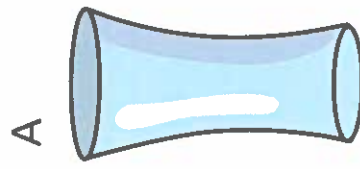
I will look at the millilitres because both cars have 1 litre. But which one has more ml?



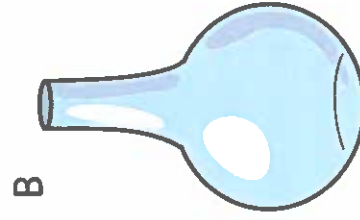
$\frac{1}{2}$ l = ml. Car _____ has the greater capacity.

- b) Which is less, 2 l 900 ml or 2,850 ml? Explain how you know.
- c) Which is greater, $3\frac{1}{2}$ l or 3,550 ml? Explain how you know.

- 2** Put the containers in order, from smallest to greatest capacity.



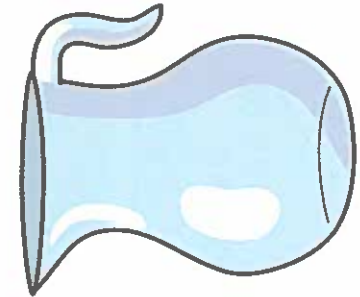
11300 ml



2,050 ml



750 ml



2 l 200 ml

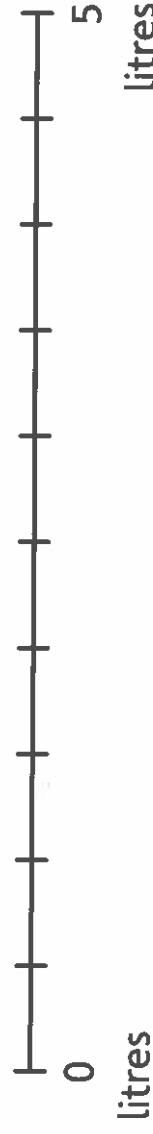
Smallest



Geatest



I will look at the litres first.



I think I can use
500 millilitres = $\frac{1}{2}$ litre to help.



I think a number line would help.



3 Reena and Max are buying fizzy drinks.

Reena buys a multi-pack of eight cans. Each can contains $\frac{1}{2}$ l.

Max buys two bottles. Each bottle contains 2 l.

Use the number line to work out who has more fizzy drink.

Reena



Max

