

Filling station litres

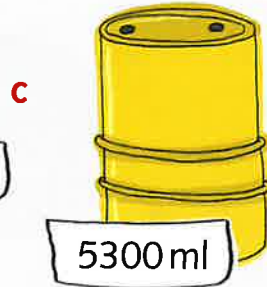


Use the relationships between litres and millilitres to record capacity using decimals

Challenge 1

Write the capacity of each container in four different ways.

Example
 $7600 \text{ ml} = 7000 \text{ ml} + 600 \text{ ml}$
 $= 7 \text{ l } 600 \text{ ml}$
 $= 7.6 \text{ l}$



Challenge 2

1 Write these amounts in litres.

- | | | |
|------------------|------------------|------------------|
| a 3500 ml | b 2700 ml | c 4200 ml |
| d 1900 ml | e 5600 ml | f 6800 ml |

Example
 $4300 \text{ ml} = 4000 \text{ ml} + 300 \text{ ml}$
 $= 4.3 \text{ l}$

2 Write these amounts in litres.

- | | | |
|------------------|------------------|-------------------|
| a 6250 ml | b 9750 ml | c 6510 ml |
| d 8980 ml | e 7020 ml | f 10050 ml |



3 Write these capacities in millilitres.

- | | | |
|-----------------|-----------------|------------------|
| a 7.47 l | b 5.82 l | c 6.09 l |
| d 5.13 l | e 9.95 l | f 10.66 l |

Challenge 3

The car mechanic has three metal jugs. The first jug will hold 3 litres. The second jug will hold 5 litres. The third jug is much larger than the other two jugs. Explain how the mechanic can use the three jugs to measure exactly 4 litres of brake fluid.

