Year 6 Maths
Developing activity

Lesson 5
LO: TBAT compare and convert different capacities.
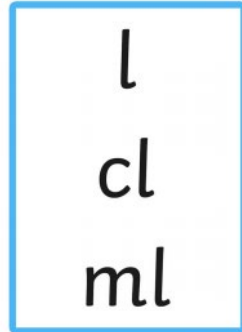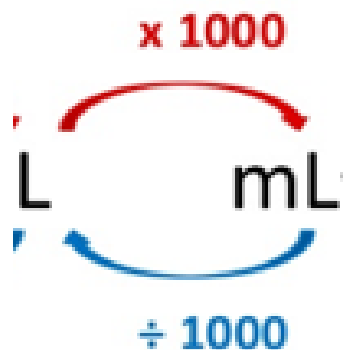**Success Criteria:**

1. Read the question.
2. Read the measurement.
3. Use the conversion chart to help you convert the question to a different measurement.

Model

Now you try…

Year 6 Maths

Expected/ Greater depth activity

Lesson 5

LO: TBAT solve problems including converting between different capacities.

Task:

You are going apply your knowledge to solve several problems including converting between capacities.

Success Criteria:

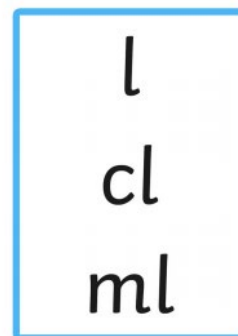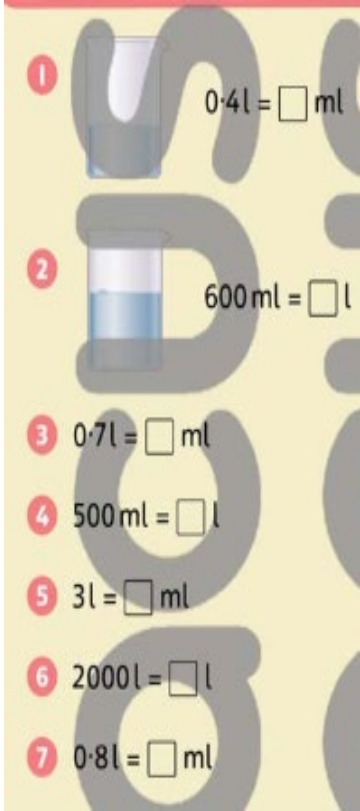| |
|---|
| 1. **Read the question.** |
| 2. **Read the measurement.** |
| 3. **Use the conversion chart to help you convert the question to a different measurement.** |
| 4. **For some questions you may have to use one of the 4 operations (+, -, x or ÷)** |

Recap:

Capacity:

x 1000

L   mL

÷ 1000

Capacity

1 litre = 1000 millilitres

1 centilitre = 10 millilitres

l
cl
ml

Year 6 Maths

Main activity

Complete at least 2 columns, more if you can!

Task 1	Task 2	Task 3	Task 4
Practice	**Arithmetic**	**Problem Solving**	**Reasoning**

Task 1 (Practice)

Write each amount as a different measurement.

1. $0.4l = \square\ ml$
2. $600\ ml = \square\ l$
3. $0.7l = \square\ ml$
4. $500\ ml = \square\ l$
5. $3l = \square\ ml$
6. $2000l = \square\ l$
7. $0.8l = \square\ ml$

Task 2 (Arithmetic)

1. $540 - 1 =$
2. $342 + 56 =$
3. $16 \times 0 =$
4. $34 + 56 + 72 =$
5. $1357 \div 1 =$
6. $3 \times 7 =$
7. $2923 + 100 =$

Problem Solving

Task 1

A machine pours 250 millilitres of juice every 4 seconds.

How many **litres** of juice does the machine pour every **minute**?

Task 2

A bottle holds **1 litre** of lemonade.

Rachel fills **5** glasses with lemonade.

She puts **150 millilitres** in each glass.

How much lemonade is left in the bottle?

Reasoning

Task 1

Put these capacities in order, starting with the smallest.

3 litres

3,500 ml

0.4 litres

0.035 litres

450 ml

330 ml

Task 2

A shop sells one-litre bottles of water for 99p each.

300 ml bottles of water are on offer at 8 bottles for £2

Whitney wants to buy 12 litres of water. Find the cheapest way she can do this.

Task 3

Task 3

☐	2.5 millilitres
☐	25 millilitres
☐	250 millilitres
☐	2.5 litres
☐	25 litres
☐	250 litres

Sarah is cooking.

Tick (✓) the most likely capacity of the pan.

60 gallons of water are drunk at a sports day.

Each child drank 3 pints.

How many children were at the sports day?