Week 12, Day 5
Capacity (2)

Each day covers one maths topic. It should take you about 1 hour or just a little more.

1. Start by sharing the **Practical Learning Reminders activity**.

2. Tackle the questions on the **Practice Sheet**.
    There might be a choice of either Mild (easier) or Hot (harder)!
    Check the answers.

3. Have I mastered the topic? A few questions to **Check your understanding**.
    Fold the page to hide the answers!

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Practical Learning Reminder Activity

Compare capacities

- Find four containers, including ones which are narrow and tall and ones which are wide and shallow.
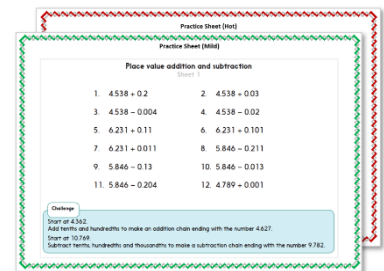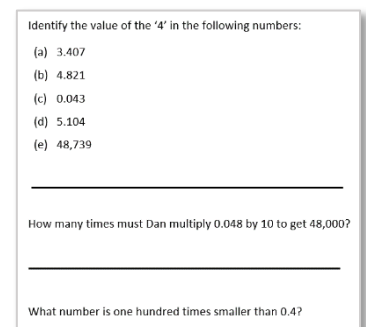
> Which container do you think will hold the **most**? And the **least**?

> Arrange the containers **in order**, putting the one you think will hold the least, first.

- Now find a small plastic cup.

- We can count how many cups of sand/dry rice/water will fill each container to check the order.

- BUT first **estimate** the number of cups required to fill each.

> Fewer than 3 cups? More than 3? More than 5? More than 10?

- Now use the cup to measure **how many** cups of sand/dry rice/water each container will hold. You might want to do this outside!

- Write the number of cups the first container holds on a Post-it™ and stick to the container. Repeat for each container.

3

- Look at your Post-its.

- *Did you have the containers in the correct order?*

> **It can be difficult to compare the capacities of different shaped containers without measuring how many cups they each hold.**

Practice Sheet for All
Comparing capacities

1. Which container has the greatest capacity? Tick the one you think holds the most water.
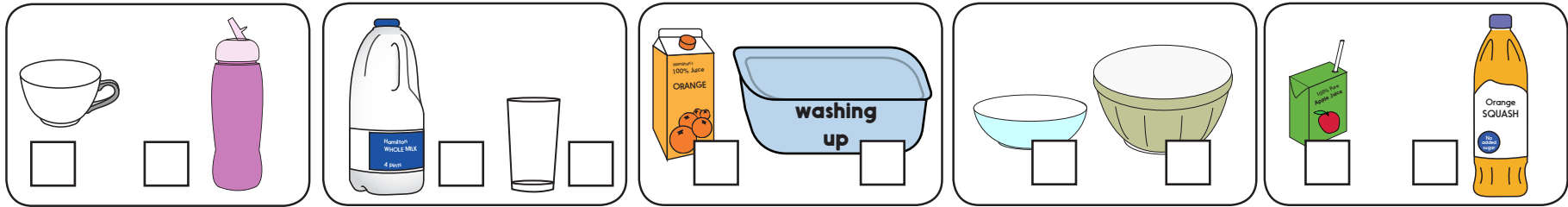
2. Circle the containers that would hold **more** than a glass of water.

3. Circle the containers that would hold **less** than a school water bottle?
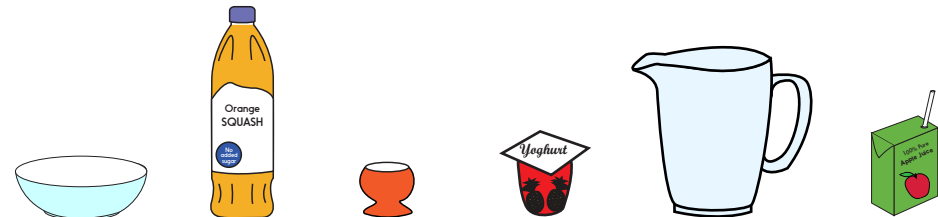
HOT! Now have a go at Question 4!

4. Draw containers that would hold **more** water than this watering can.

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Practice Sheet Answers

Comparing capacities

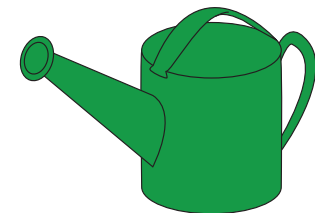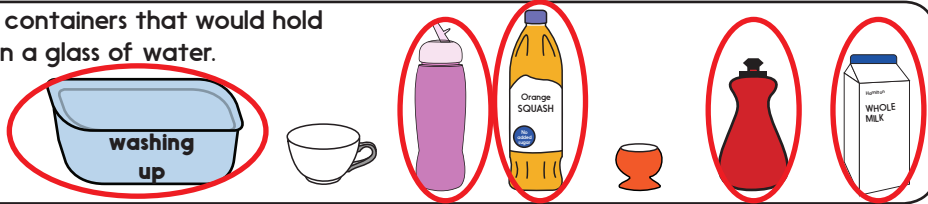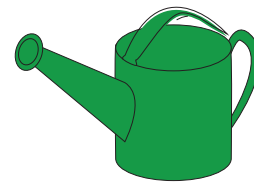Circle the containers that would hold **more** than a glass of water.

Circle the containers that would hold **less** than a school water bottle.

HOT! Now have a go at Question 4!

Draw containers that would hold **more** water than this watering can.

e.g. a bath, swimming pool, water trough, etc.

Check your understanding
Questions

Choose a saucepan. How many cups full of dried rice do you think it would take to fill it?

- Make a good guess

- Write it down

- Use cups to measure and check

Make a cone out of paper.

Estimate how many egg cups of lentils or rice it will hold.

Measure to check your estimate.

How many cups more does your water bottle hold when it is full, than it does when it is half empty?

Check your understanding
Answers

Choose a saucepan. How many cups full of dried rice do you think it would take to fill it?

- Make a good guess

- Write it down

- Use cups to measure and check

Ask children to justify their estimate; observe how carefully they fill the cup and keep track of how many cups are poured.

Make a cone out of paper.
Estimate how many egg cups of lentils or rice it will hold.
Measure to check your estimate.
The exact answer will be dependent on the size of the cone and the egg cup but observe how careful children are with their filling of the egg cup and their tracking of the number of egg cups needed to fill the cone.

How many cups more does your water bottle hold when it is full, than it does when it is half empty?
The answer will vary according to the capacity of the water bottle and size of the cup but note that it will be twice as many when full as when half empty.