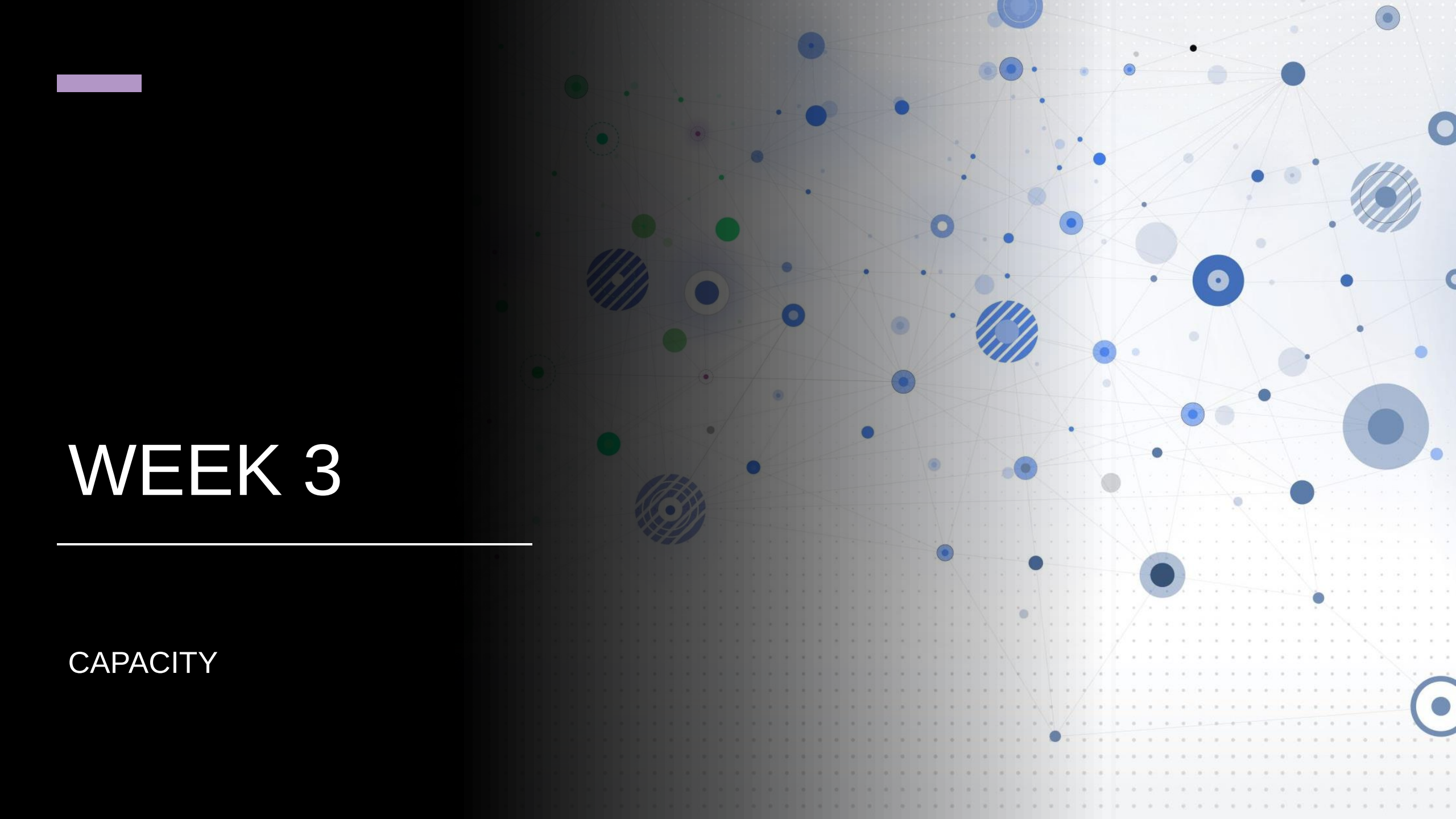


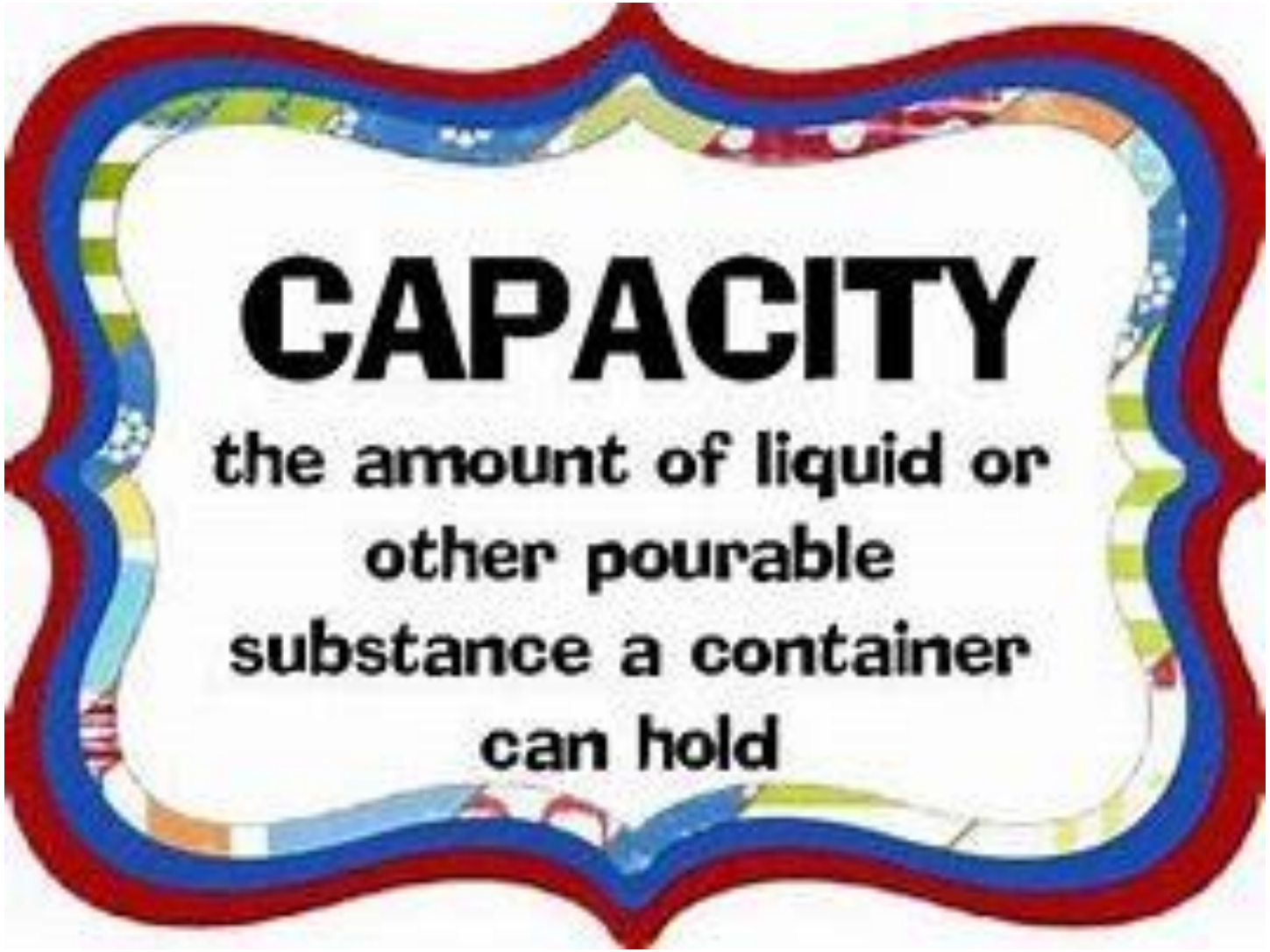
WEEK 3

CAPACITY

DAY 1

- INVESTIGATION

L.O. Can I investigate capacity?



Investigation to discover which container holds the most water.

Find 6 different containers.

Without using a measuring jug how could you investigate which one holds the most water.

Order from smallest volume to biggest volume.

If you have a measuring jug, try and measure how much water is in each container.

- We measure liquids in litres (L) and milliletres (ml)

- There are 1,000 ml in a L







pictures out

Glue here in order


Smallest volume

Largest volume

Why do you think that container will hold the most water? _____

DAY 2

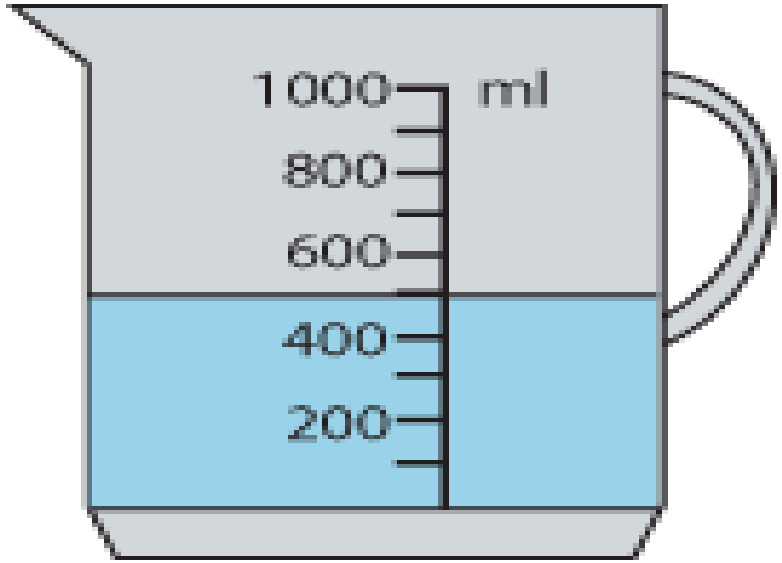
- READING SCALES

L.O. Can I read scales?

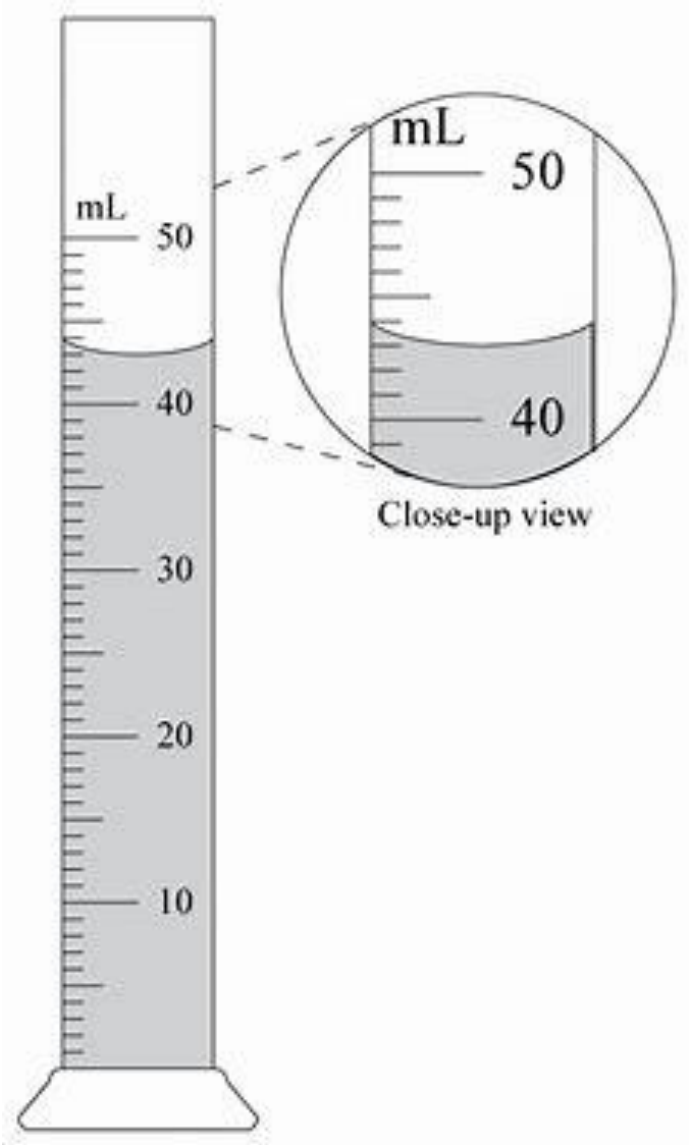
How much water is in this jug?

The level is between 400ml and 600ml.

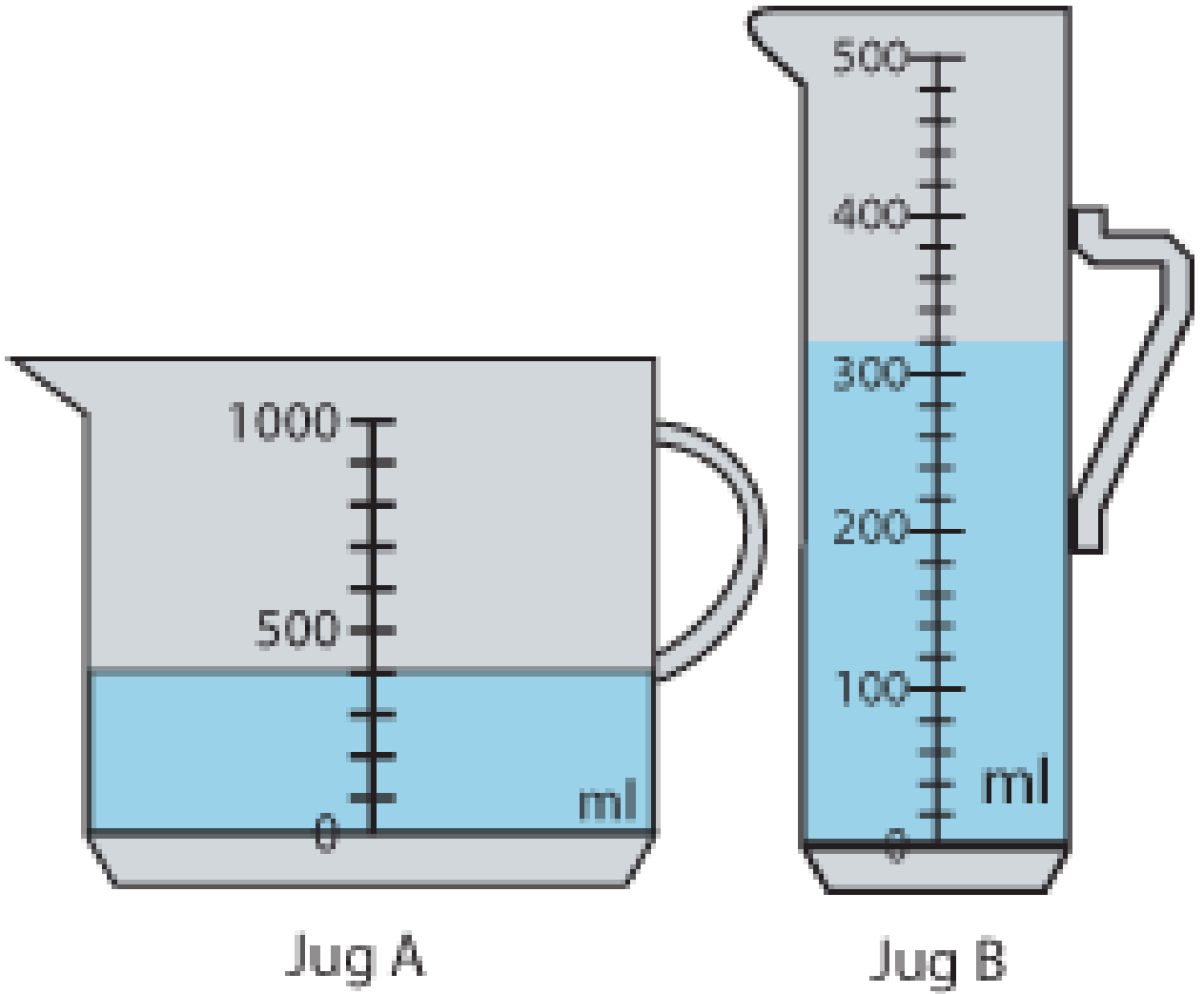
So the answer is 500ml



Make sure you look carefully at the scale.



What about these?



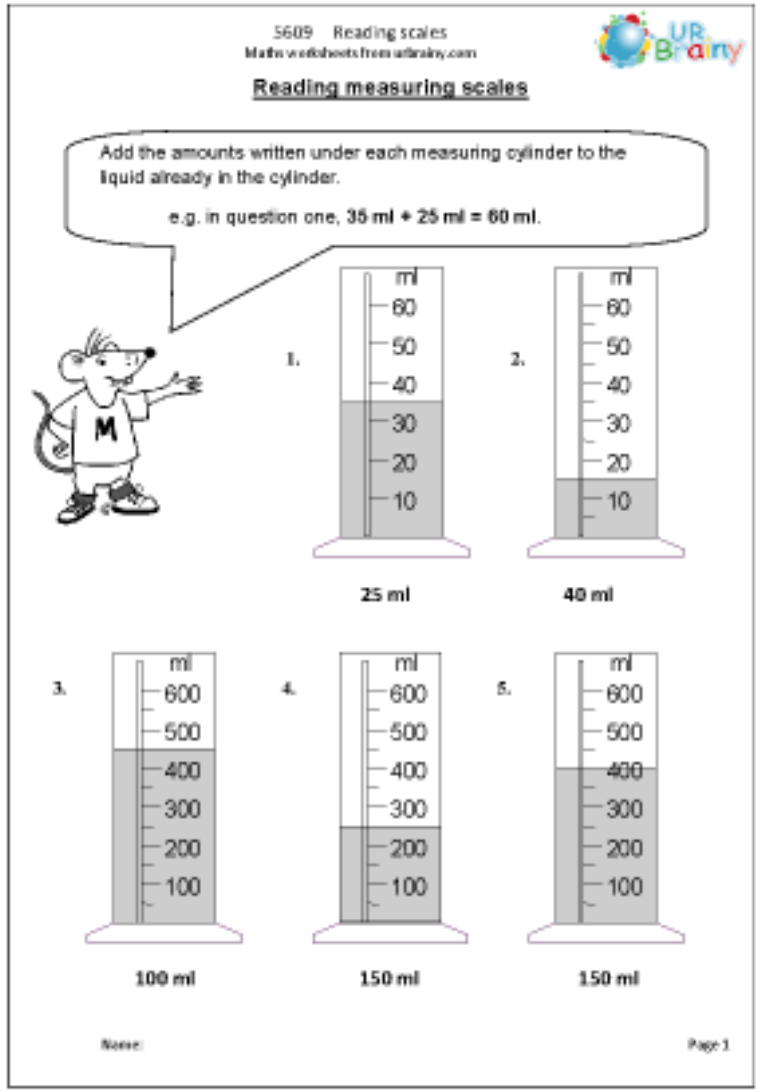
ANSWERS

44ml

400ml

320ml

Now try these.



5609 Reading scales

Maths worksheets from urbrainy.com

Reading measuring scales

Add the amounts written under each measuring cylinder to the liquid already in the cylinder.

e.g. in question one, **35 ml + 25 ml = 60 ml.**

1. ml 60 50 40 30 20 10 — **25 ml**

2. ml 60 50 40 30 20 10 — **40 ml**

3. ml 600 500 400 300 200 100 — **100 ml**

4. ml 600 500 400 300 200 100 — **150 ml**

5. ml 600 500 400 300 200 100 — **150 ml**

Name:

Page 1

ANSWERS

01

1. 35ml + 25ml = 60ml

02

2. 15ml + 40ml = 55ml

03

3. 450ml + 100ml = 550ml

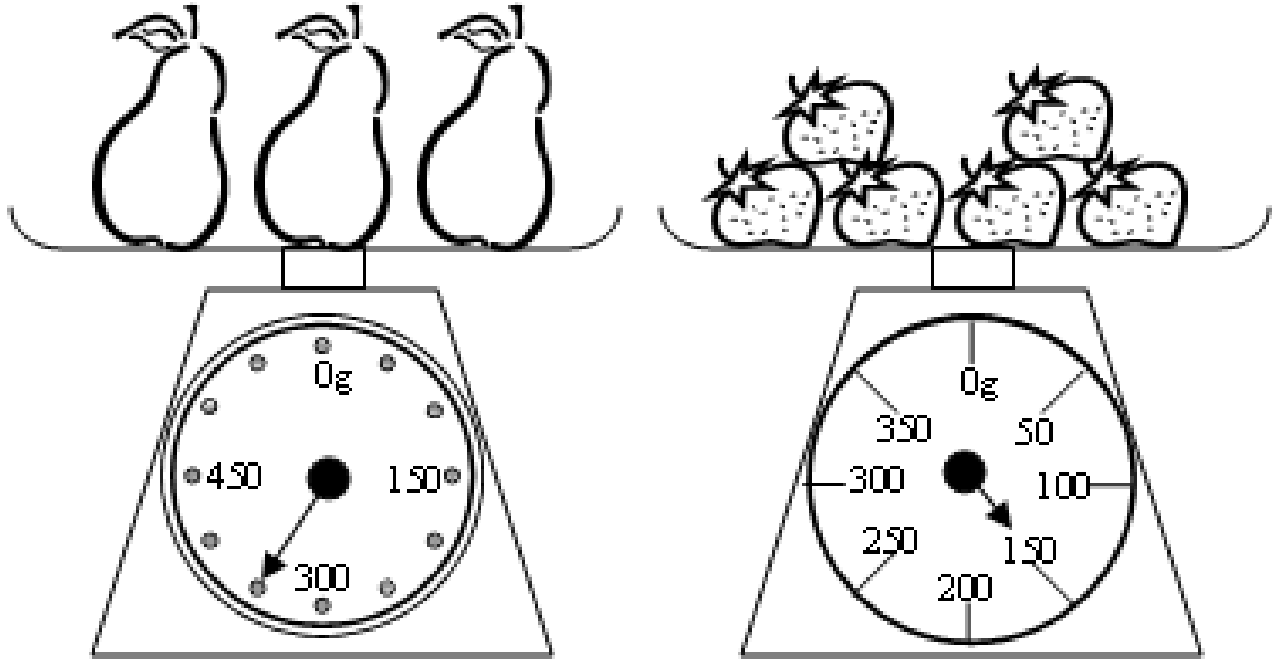
04

4. 250ml +150ml = 400ml

05

5. 400ml + 150ml = 550ml

L.O. Can I read weighing scales?

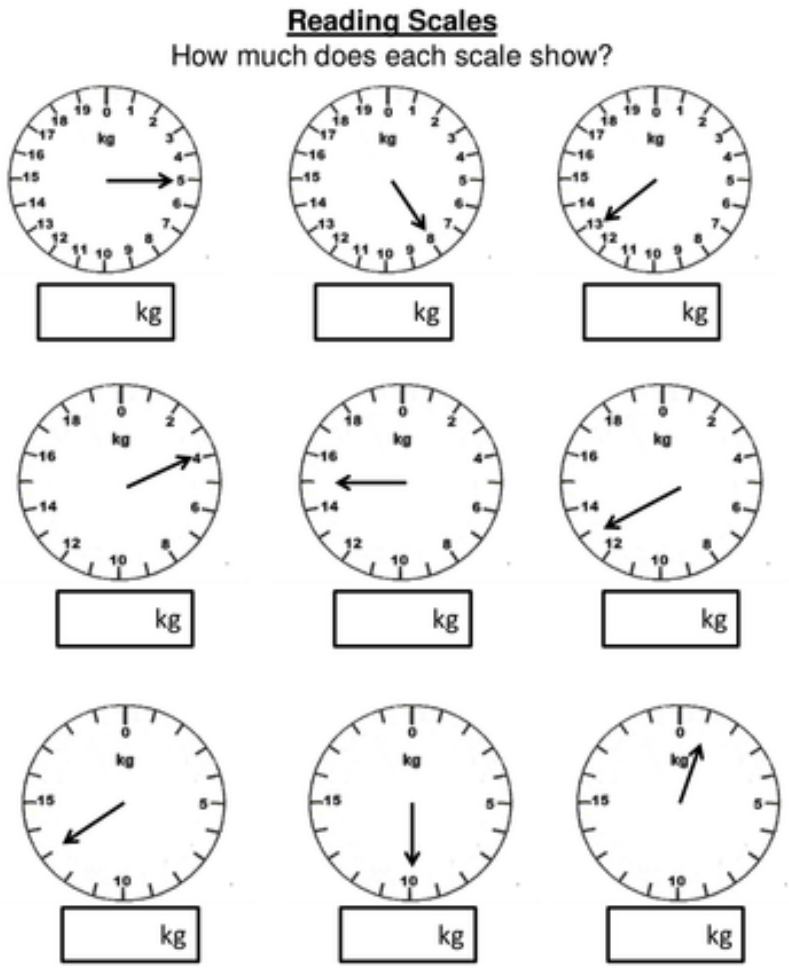


ANSWERS

1. 350g

2. 150g

Try these.


Reading Scales
How much does each scale show?
kg
kg
kg
kg
kg
kg
kg
kg
kg

ANSWERS

1. 5kg
2. 8kg
3. 13kg
4. 4kg
5. 15kg
6. 13kg
7. 13kg
8. 10kg
9. 1kg

Day 3

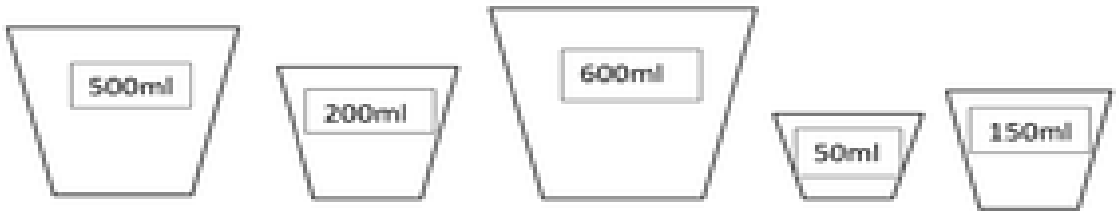
- Reasoning problems

L.O. Can I solve reasoning problems?

L.O: to investigate a problem using capacity

Tom wants to fill his bucket. His bucket holds **1 litre of water. That is 1000ml.**

He can use these containers to fill his bucket. He can use each one more than once.



How many **different** ways can Tom fill

Try these.

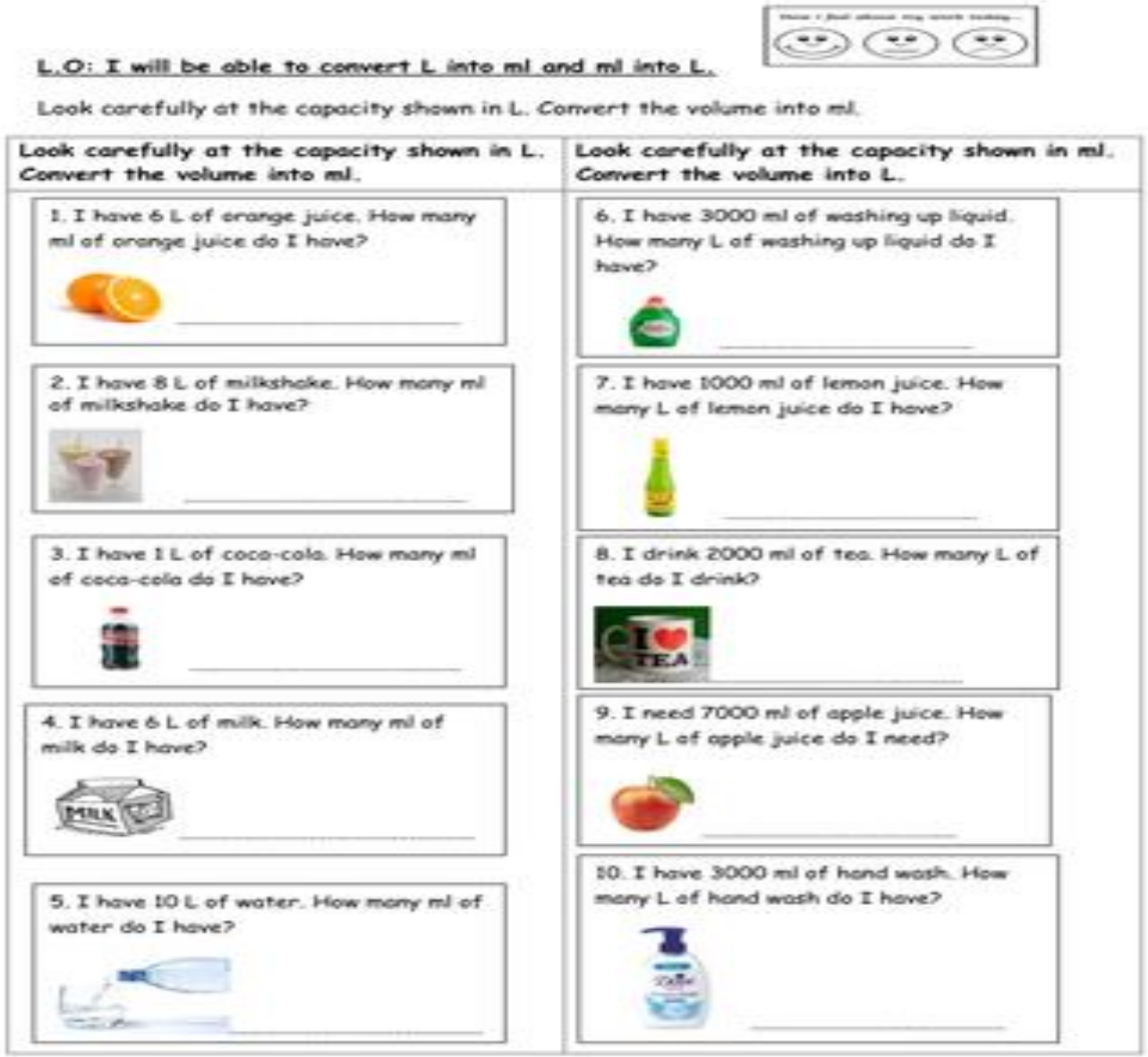
Dave has 1 litre and 2 litre bottles. He pours the water from the small bottle into the large bottle. Mark where the water comes upto on the large bottle.

Sid has a full bottle of drink. He pours it into a jug. Which has the greater capacity, the bottle or the jug?

Tick a glass which is half as full as the glass with the red oval.

Circle the glass which is about half as full as the glass with the blue oval.

L.O. Can I solve word problems?



L.O: I will be able to convert L into ml and ml into L.

Look carefully at the capacity shown in L. Convert the volume into ml.

Look carefully at the capacity shown in L. Convert the volume into ml.	Look carefully at the capacity shown in ml. Convert the volume into L.
1. I have 6 L of orange juice. How many ml of orange juice do I have?	6. I have 3000 ml of washing up liquid. How many L of washing up liquid do I have?
2. I have 8 L of milkshake. How many ml of milkshake do I have?	7. I have 1000 ml of lemon juice. How many L of lemon juice do I have?
3. I have 1 L of coca-cola. How many ml of coca-cola do I have?	8. I drink 2000 ml of tea. How many L of tea do I drink?
4. I have 6 L of milk. How many ml of milk do I have?	9. I need 7000 ml of apple juice. How many L of apple juice do I need?
5. I have 10 L of water. How many ml of water do I have?	10. I have 3000 ml of hand wash. How many L of hand wash do I have?

ANSWERS

- 1. 6,000ml
- 2. 8,000ml
- 3.1,000ml
- 4. 6,000ml
-
- 5. 10,000ml

6. 3L

7. 1L

8. 2L

9. 7L

10. 3L

Day 4

- Let's do some cooking.

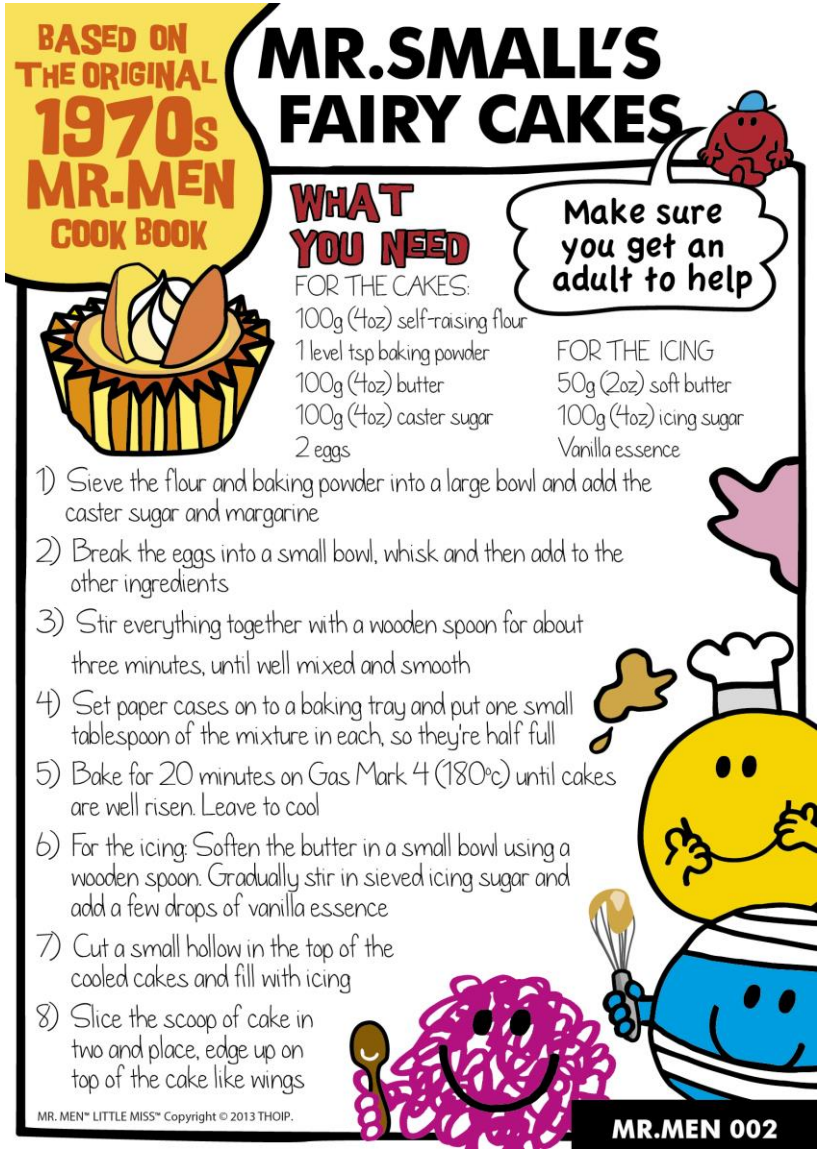
Let's use our measuring skills to do some cooking. You can use one of these recipes or choose one of your own.

Pancake Recipe

- 100g plain flour
- 2 eggs
- 300ml milk
- 1 tbsp oil
- pinch of salt

1. Put the flour and milk into a bowl.
2. Crack the eggs and add to the bowl.
3. Whisk the ingredients together.
4. Pour some of the mixture into the pan.
5. Cook until browned then flip.
6. Once the other side is brown leave to cool.
7. Enjoy eating.

Fairy cakes


BASED ON THE ORIGINAL 1970s MR.MEN COOK BOOK
MR.SMALL'S FAIRY CAKES
WHAT YOU NEED
Make sure you get an adult to help
FOR THE CAKES:
100g (4oz) self-raising flour
1 level tsp baking powder
100g (4oz) butter
100g (4oz) caster sugar
2 eggs
FOR THE ICING
50g (2oz) soft butter
100g (4oz) icing sugar
Vanilla essence
1) Sieve the flour and baking powder into a large bowl and add the caster sugar and margarine
2) Break the eggs into a small bowl, whisk and then add to the other ingredients
3) Stir everything together with a wooden spoon for about three minutes, until well mixed and smooth
4) Set paper cases on to a baking tray and put one small tablespoon of the mixture in each, so they're half full
5) Bake for 20 minutes on Gas Mark 4 (180°c) until cakes are well risen. Leave to cool
6) For the icing: Soften the butter in a small bowl using a wooden spoon. Gradually stir in sieved icing sugar and add a few drops of vanilla essence
7) Cut a small hollow in the top of the cooled cakes and fill with icing
8) Slice the scoop of cake in two and place, edge up on top of the cake like wings
MR. MEN™ LITTLE MISS™ Copyright © 2013 THOIP.
MR.MEN 002

Shortbread

This recipe makes 12 biscuits.
How would you need to change the recipe to make:
a) 24
b) 6
c) 60

- **Ingredients**
- 100 grams butter
- 150 grams plain flour
- 50 grams caster sugar

- **Steps**
- **Weigh out 100 grams (3.5 oz) of butter then add 50 grams caster sugar cream together in bowl.**
- **Weigh out 150 grams of plain flour and knead together.**
- **Roll out to about ½ inch (1.3 cm) thick then cut out chosen shapes.**
- **Bake for 10 minutes at 160 °C (320 °F).**
- **Leave to cool.**
- **Whilst cooling, sprinkle on sugar.**
- Finished.

ANSWERS

- A) 200g
- 300g
- 100g

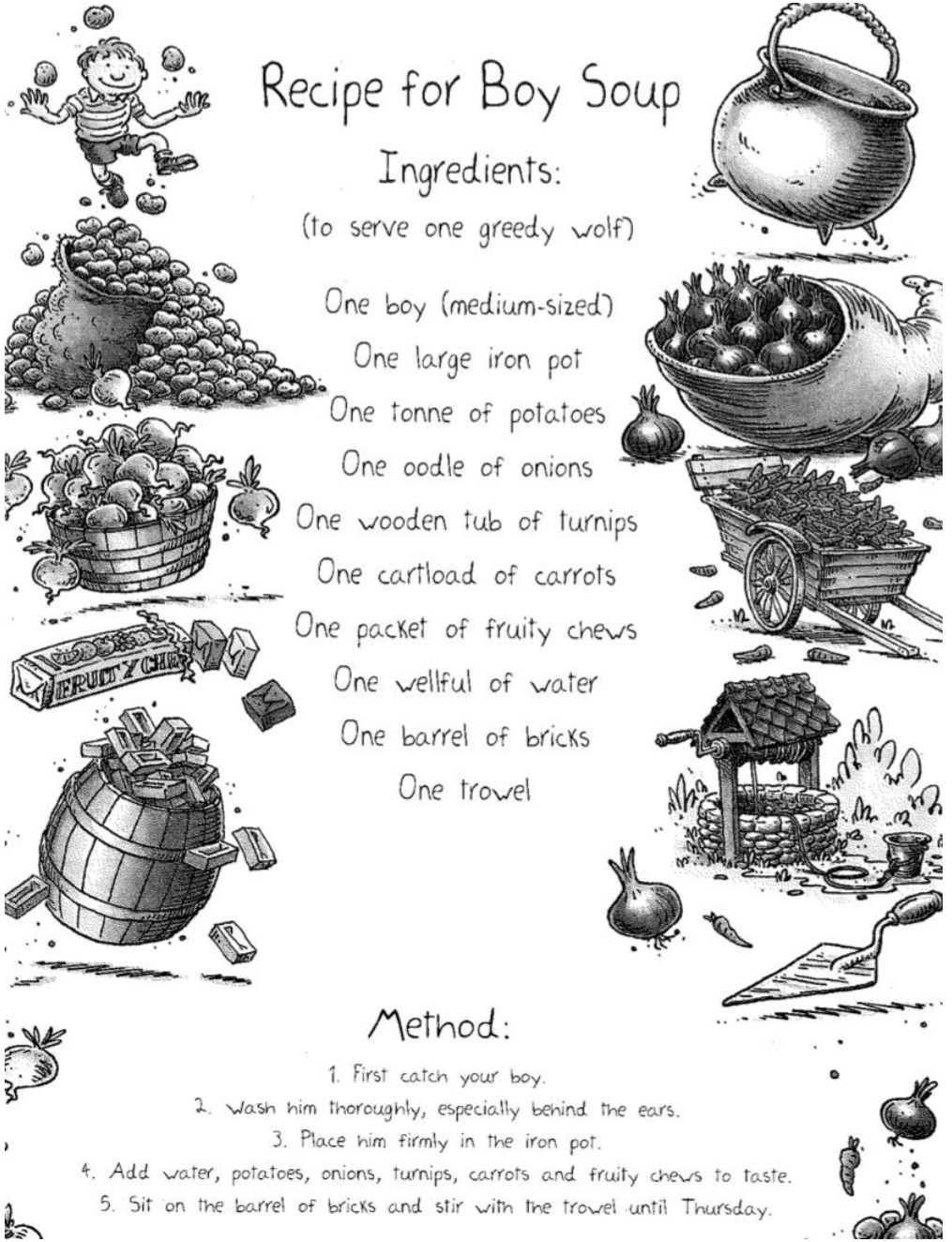
- B)50g
- 75g
- 50g

- C)500g
- 750g
- 250g

Working in school!

Unfortunately, we are unable to cook in school.

Look at this recipe for Boy Soup.



Make up a recipe for girl or boy pie.

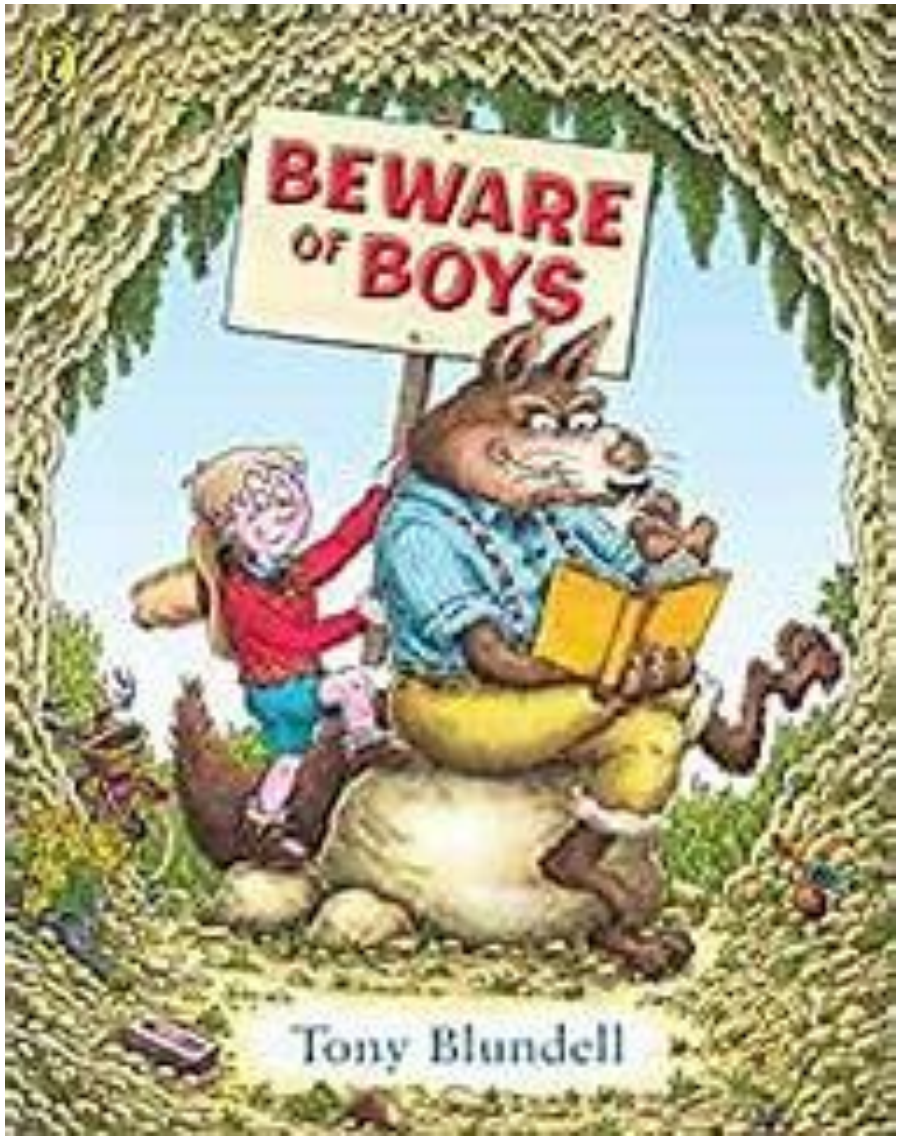
You can put in any ingredients you like.

EXAMPLES

A bucket full of butterflies

A sieve of spiders

A fistful of frogs



DAY 5

Try one of the following activities.

You can do more if you want.

L.O. Can I find the value of a digit?

- 56 = 6
- 60 =
- 148 =
- 904 =

43 = 40

55 =

951 =

691 =

91 =

27 =

380 =

364 =

ANSWERS

6 40 90

60 5 20

8 50 300

0 600 60

L.O. Can I solve number problems?

- **L.O. Can I make the largest and smallest number?**
- **194 Largest _ _ _ Smallest _ _ _**
- **816 Largest _ _ _ Smallest _ _ _**
- **7491 Largest _ _ _ _ Smallest _ _ _ _**
- **5386 Largest _ _ _ _ Smallest _ _ _ _**
- **84024 Largest _ _ _ _ _ Smallest _ _ _ _ _**

ANSWERS

1. 941

149

2. 861

168

3. 9741

1479

4. 8653

3568

5. 84420

2448

Use what you know about column addition to *find* the *total* of these volumes of liquid.

1. 235ml and 127ml
2. 417ml and 264ml

Use what you know about column subtraction to *find* the *difference* between these volumes of liquid.

3. 450ml and 140ml
4. 645ml and 230ml
5. 470ml and 265ml
6. 335ml and 525ml

Can you add together these volumes? What do you think you have to do first?

7. 350ml and 1.5l
8. 2.5l and 700ml
9. 621ml and 715ml
10. 87ml and 3.5l

ANSWERS

1. 362ml
2. 681ml
3. 310ml
4. 415ml
5. 205ml
6. 190ml
7. 350ml +1,500ml =1,850ml
8. 2,500ml + 700ml= 3,200ml
9. 1, 336ml
10. 87ml + 3,500ml= 3,587ml

Try this problem solving activity.

- A pub serves four choices of burgers- beef, chicken, fish and vegetarian and five choices of drinks- juice, coffee, cola, water and hot chocolate.
- Jane wants one burger and one drink.
- How many different combinations can she have?
- Peter is very hungry and wants two burgers.
- How many different combinations can he have?

Can I use a variety of strategies to solve problems?

Chicken and Sheep

A farmyard contains bother chicken and sheep. The farmer knows there are 26 heads and 74 legs. How many chicken and sheep are in the yard?

Chicken and Sheep Investigation

Talk with a partner: What are you being asked to do? What information is useful?

Can I use a variety of strategies to solve problems?

Now your turn. Investigate the different numbers of heads and legs with different combinations of chicken and sheep.

Continue the pattern. What do you notice?

Chicken	Sheep	Head	Legs
1	1		
1	2		
2	2		

Can I use a variety of strategies to solve problems?

Lets explore. Look at these chicken and sheep. How many legs/ heads?