

**Problems**

**Involving**

**Measures**

**Year 2 Spring Term Week 12**

**Lesson 3**

# Today we will be learning to:

- find solutions to simple mass word problems
- understand and use words about mass
- understand equivalence.

Excuse me Owl, what  
is **equivalence**?

**Equivalence** means  
'the same as'.



# Mental Activity

|    |    |   |   |   |
|----|----|---|---|---|
| 50 | 10 | 3 | 2 | 1 |
|----|----|---|---|---|

Give as many different totals as possible by adding all or some of the numbers.

What is the largest total?

What is the smallest total?

# Main Activity

Today we are going to investigate  
different totals we can make using some  
given weights.

I will show you some balance scales.

What are they used for?

How do they work?

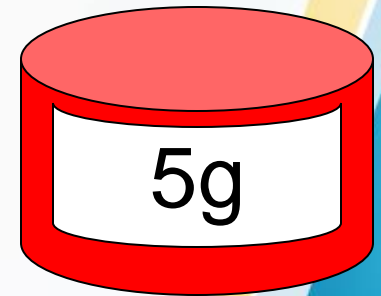
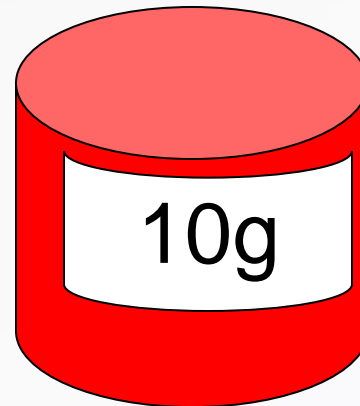
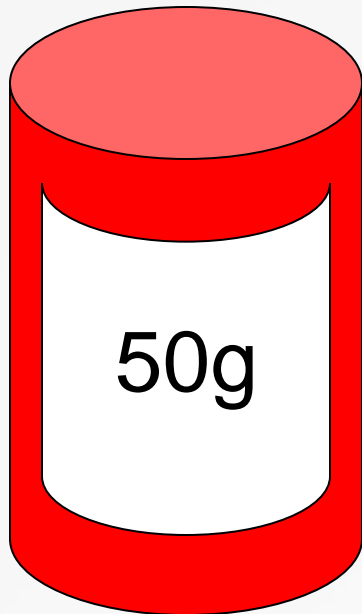
I will show you some weights.

What different weights do you have?

Why is there not a separate weight for every value?

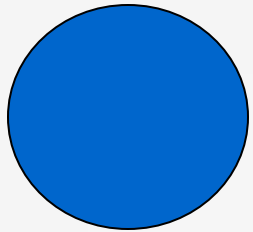
Today you are going to be given four different values of weights.

How many totals can you make?





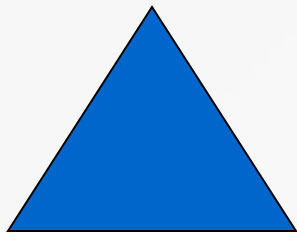
# Group Work



How many ways can you make 50g? Use a balance and 20g, 10g and 5g weights.



Calculate different weight totals using 50g, 20g, 10g and 5g weights.



Calculate different weight totals using 100g, 50g, 20g, 10g and 5g.