



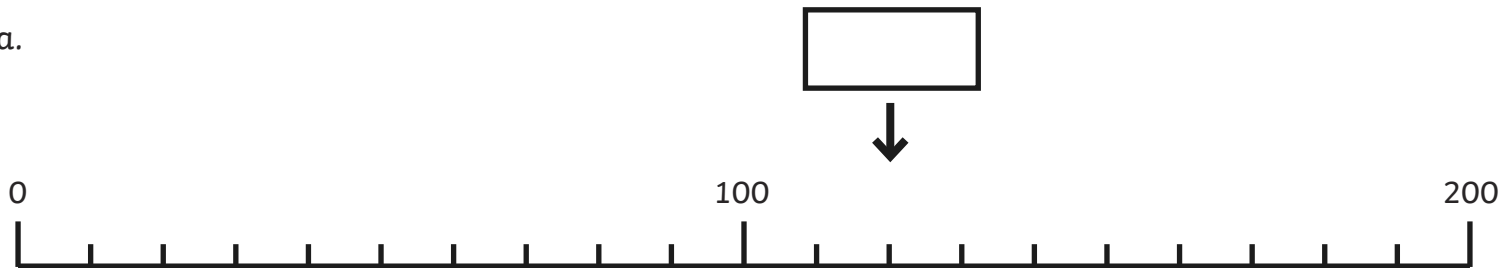
# Estimating Numbers

I can estimate numbers using different representations.

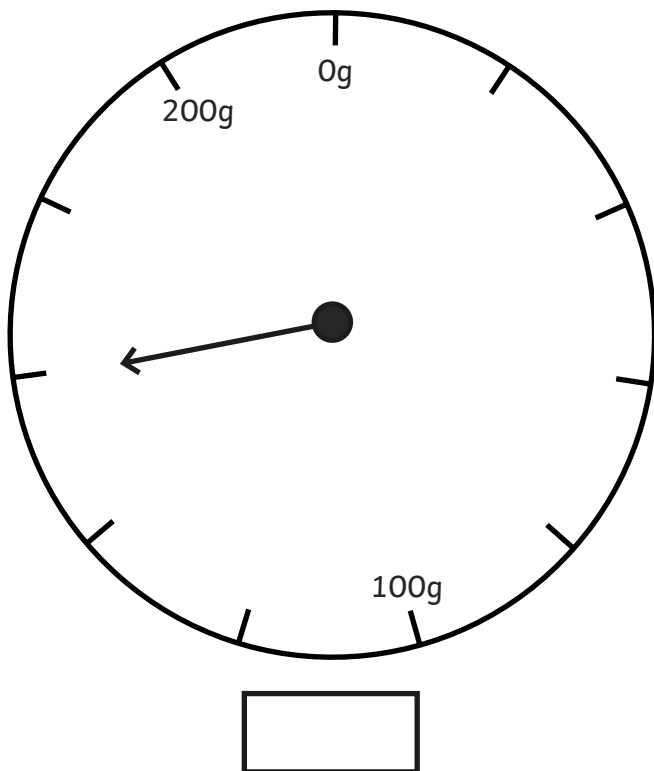


1. Estimate the amount shown by the arrow.

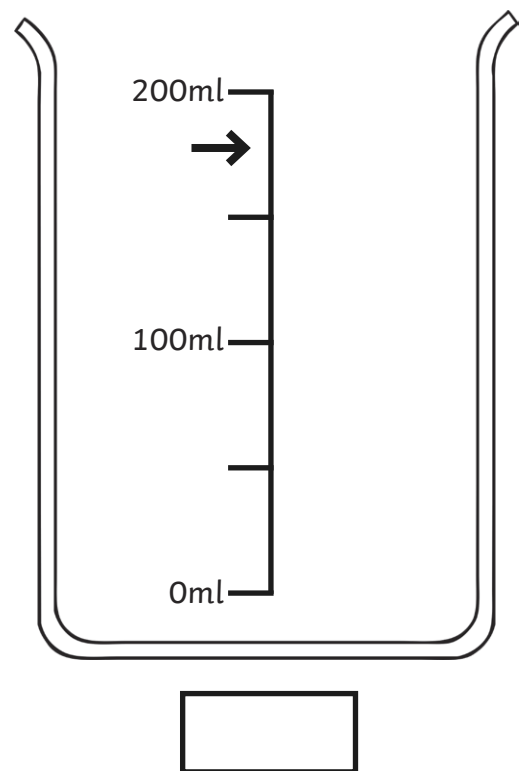
a.



b.



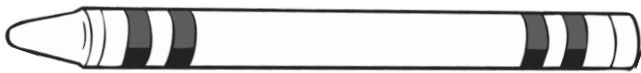
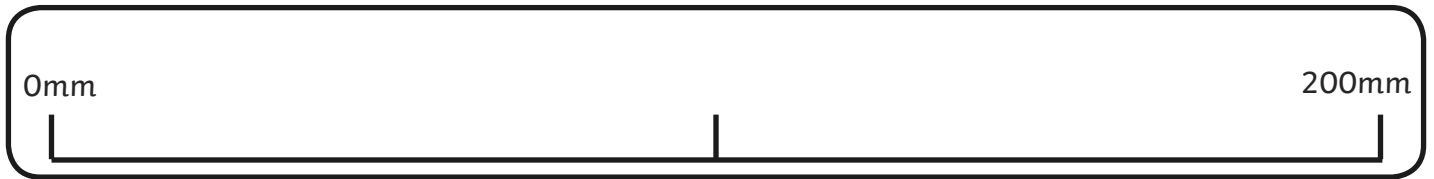
c.



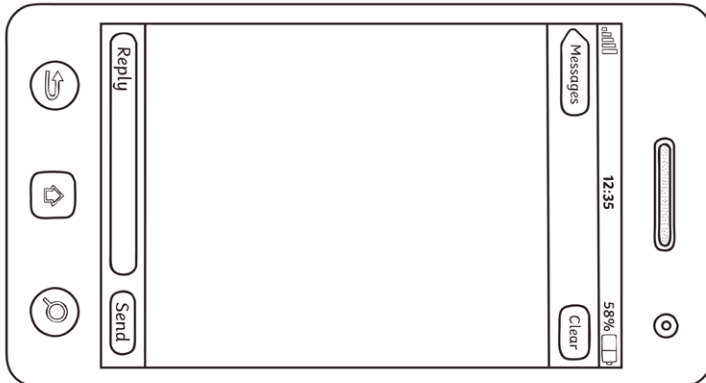


# Estimating Numbers

2. Estimate the length in millimetres of the following items in comparison to the ruler below.



a. Estimate: \_\_\_\_\_



b. Estimate: \_\_\_\_\_



c. Estimate: \_\_\_\_\_



d. Estimate: \_\_\_\_\_

3. Grab a handful of coins. Estimate the total of the coins that you have before finding the exact amount. Can you find the difference between your estimate and the exact amount?

Estimation	Exact Amount	Difference Between the Amounts
e.g. 112p	130p	18p



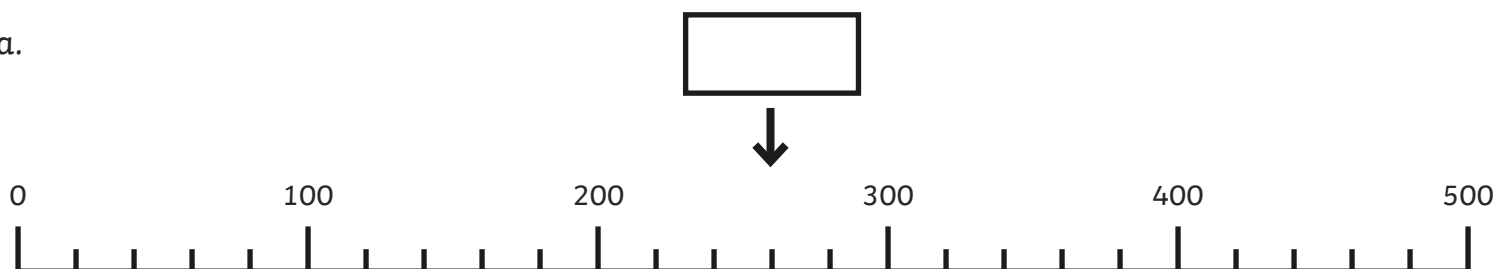
# Estimating Numbers

I can estimate numbers using different representations.

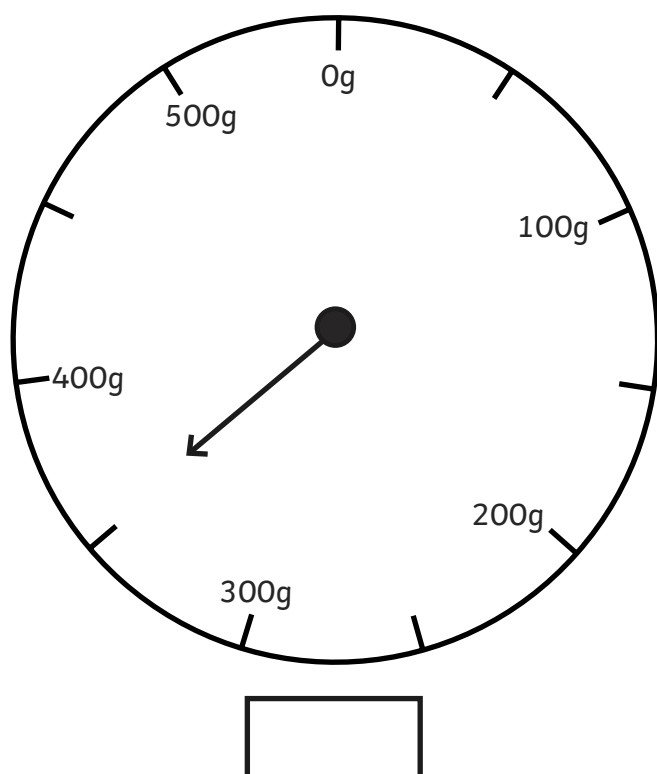


1. Estimate the amount shown by the arrow.

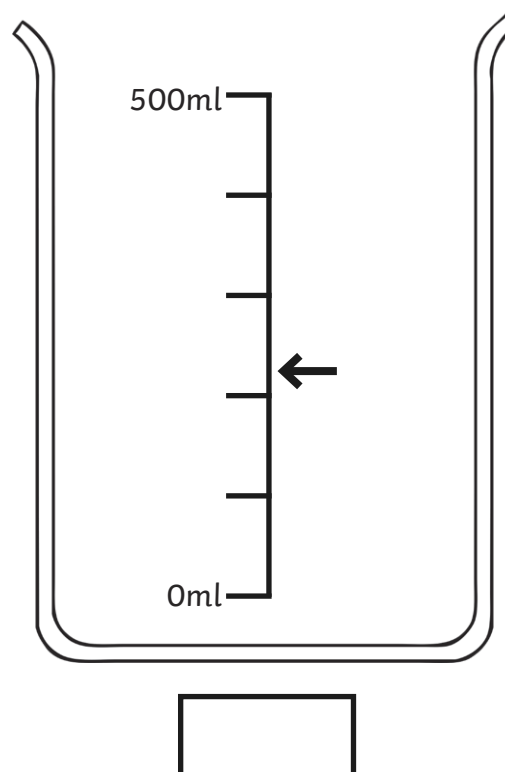
a.



b.



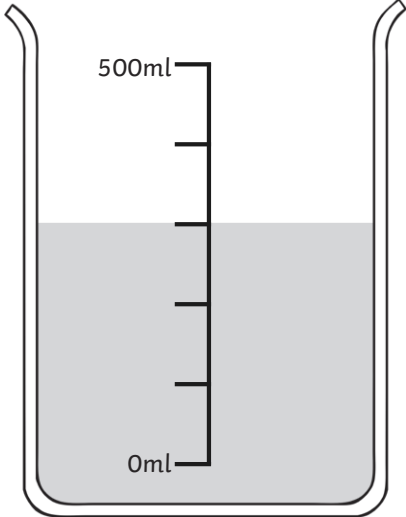
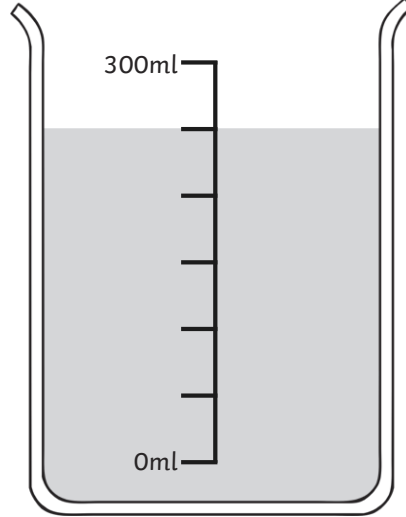
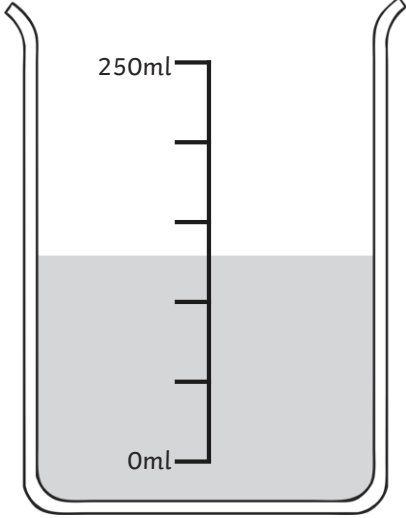
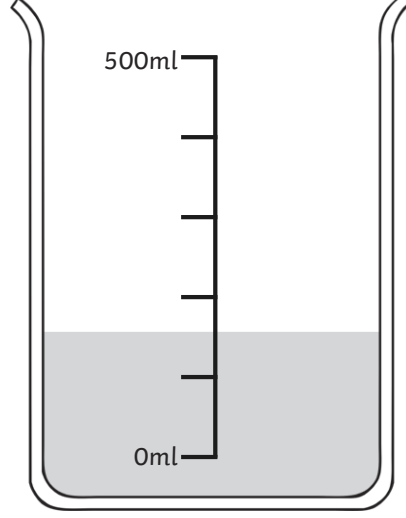
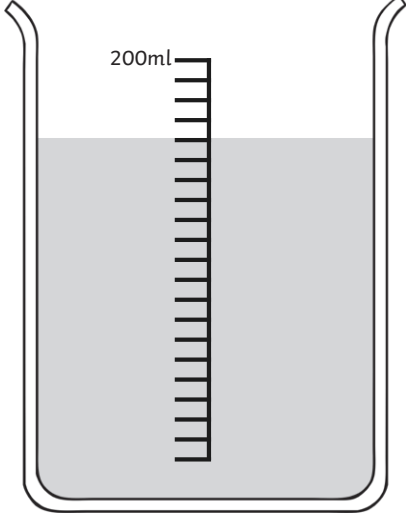
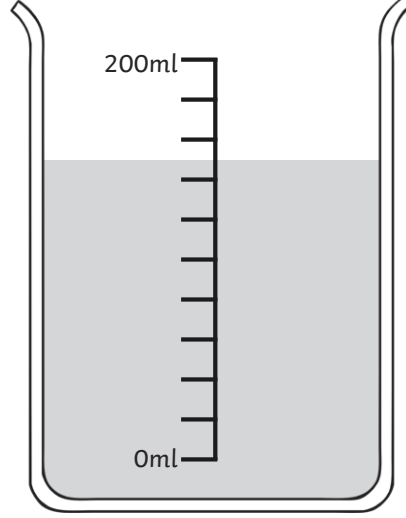
c.





# Estimating Numbers

2. Estimate the amounts of liquid in each container. Then insert the correct symbol to compare the amounts:  $>$ ,  $<$  or  $=$ .

<p>a.</p> 		
<p>b.</p> 		
<p>c.</p> 		



# Estimating Numbers

3. Here are some blank number lines. Create a scale and insert an arrow. Estimate the value of the arrow and then ask a partner to estimate the value of the arrow. Compare your estimates.

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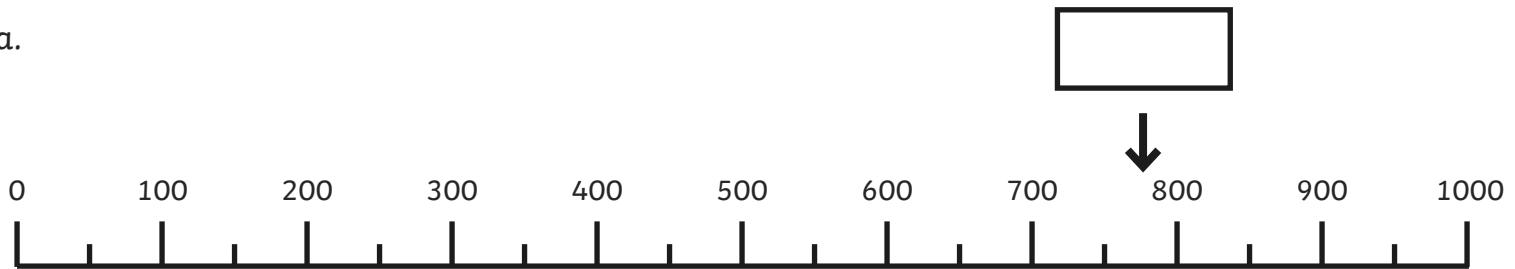
# Estimating Numbers

I can estimate numbers using different representations.

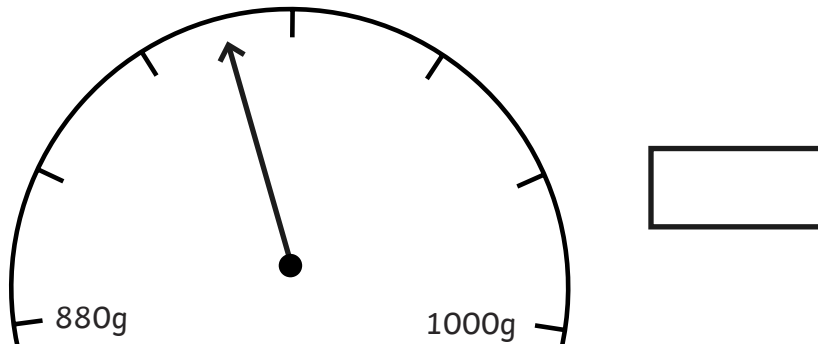


1. Estimate the amount shown by the arrow.

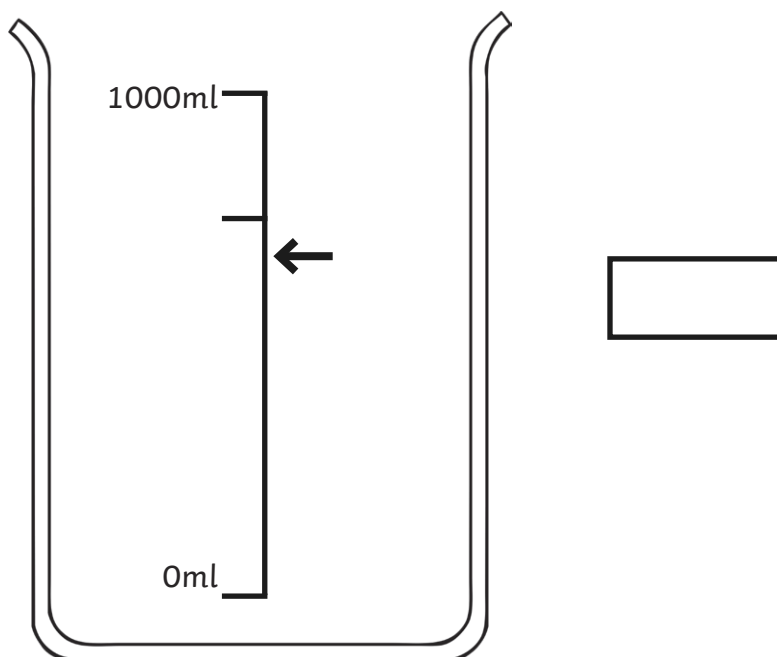
a.



b.



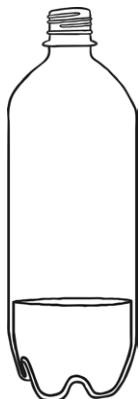
c.





# Estimating Numbers

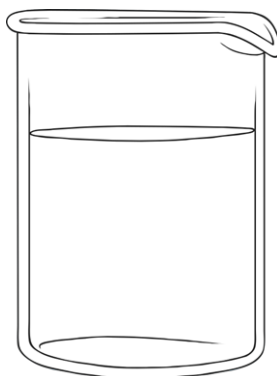
2. Estimate how much water is in each of the 1-litre containers.



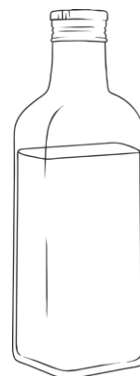
a.



b.



c.



d.

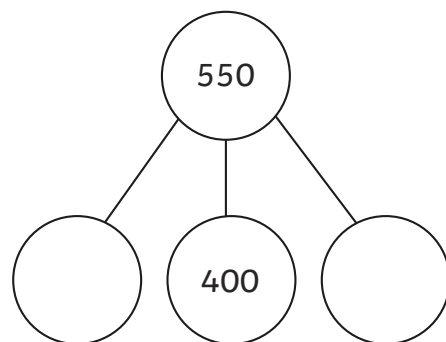
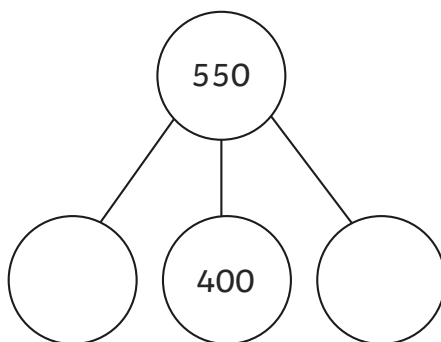
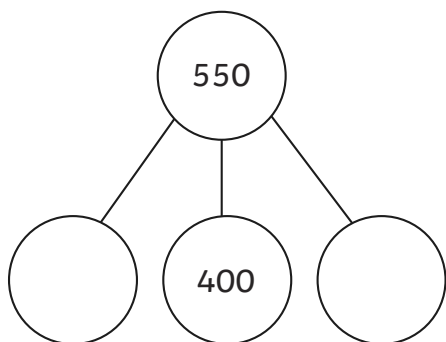
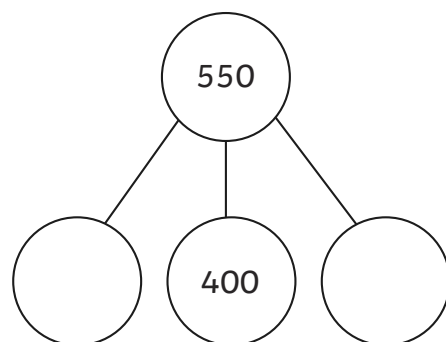
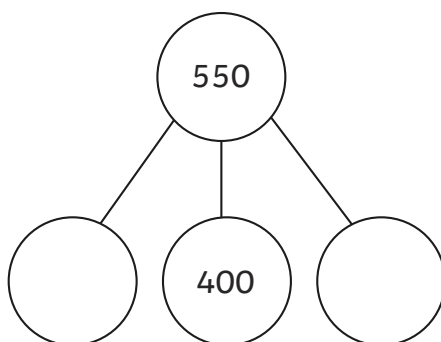
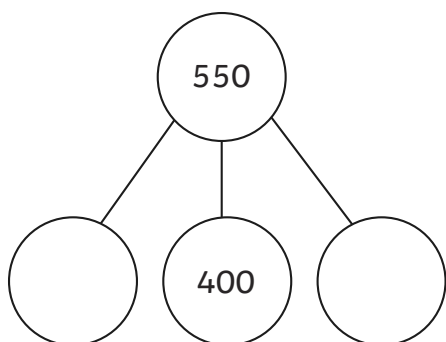
3. Write three comparison sentences with your estimations  $>$ ,  $<$  or  $=$ .

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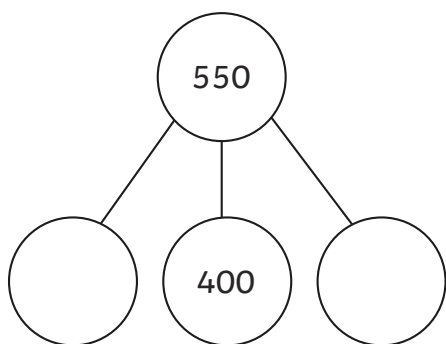
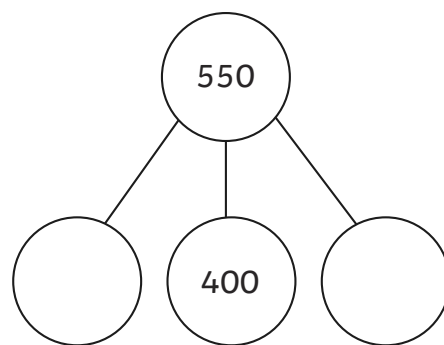
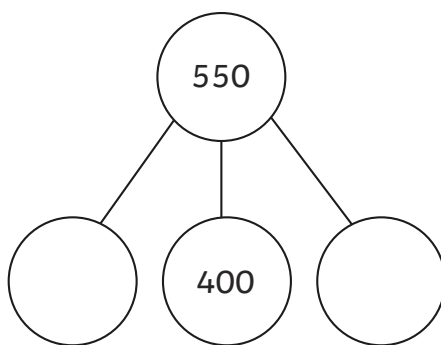
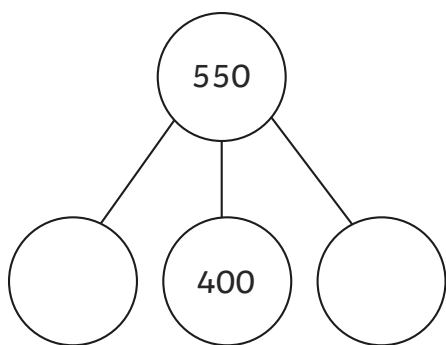
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4. What could the missing numbers be? Can you think of 10 different possibilities?





# Estimating Numbers



5. Here are some blank number lines. Create a scale and insert an arrow. Estimate the value of the arrow and then ask a partner to estimate the value of the arrow. Compare your estimates.

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# Answers

1. Estimate the amount shown by the arrow.
  - a. *120*
  - b. *160g*
  - c. *175ml*
2. Estimate the length in millimetres of the following items in comparison to the ruler below.
  - a. *90mm*
  - b. *110mm*
  - c. *150mm*
  - d. *175mm*
3. Grab a handful of coins. Estimate the total of the coins that you have before finding the exact amount. Can you find the difference between your estimate and the exact amount?

**Child's own answer.**



# Answers

1. Estimate the amount shown by the arrow.

- a. **260**
- b. **350g**
- c. **225ml**

2. Estimate the amount of liquid in each container. Then insert the correct symbol to compare the amounts:  $<$ ,  $>$  or  $=$ .

- a.  **$>$**
- b.  **$<$**
- c.  **$>$**



# Answers

1. Estimate the amount shown by the arrow.

- a. 775
- b. 935g
- c. 625ml

2. Estimate how much water is in each of the 1-litre containers.

**Accept appropriate estimations.**

3. Write three comparison sentences with your estimations using  $<$ ,  $>$  or  $=$ . Can you think of 10 different possibilities?

**Multiple answers. The two missing numbers need to add up to 150.**