



# MATHEMATICS



**N.S. Yr. 3 P.77**

**Use measuring equipment  
Interpret scales**

## Equipment

Paper, pencil, ruler

# MathSphere

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## **Concepts**

In this module children measure and draw lines to the nearest half centimetre. It is important that they have rulers which include millimetres and that they understand that 0.5 is the same as a half.

Reading scales is developed to include reading measurements where there are sub-divisions that are not labelled. Children need to be confident in reading a wide variety of scales which include all labels before going on to these sub-divisions.

Once again this type of work is better done on a practical basis using length, mass and capacity.

**Drawing lines to the nearest half centimetre**

You need a ruler with centimetres and millimetres on it.

Draw these lines to the nearest half centimetre.

**Remember  $4\frac{1}{2}$  cm is written as 4.5 cm  
or 4 cm and 5 mm**

**Draw lines these lengths, starting at the dot on each question:**

1. 3.5 cm •

2. 9.5 cm •

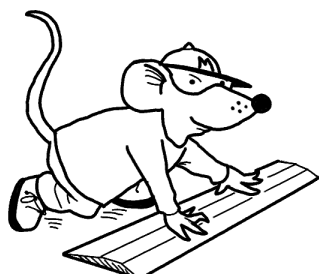
3. 0.5 cm •

4. 7.5 cm •

5. 6.0 cm •

6. 1.5 cm •

7. 8.0 cm •

**Drawing lines to the nearest half centimetre**

You need a ruler with centimetres and millimetres on it.

Draw these lines to the nearest half centimetre.

**Remember  $2\frac{1}{2}$  cm is written as 2.5 cm  
or 2 cm and 5 mm**

**Draw lines these lengths, starting at the dot on each question:**

1. 2.5 cm •

2. 8.5 cm •

3. 6.5 cm •

4. 4.5 cm •

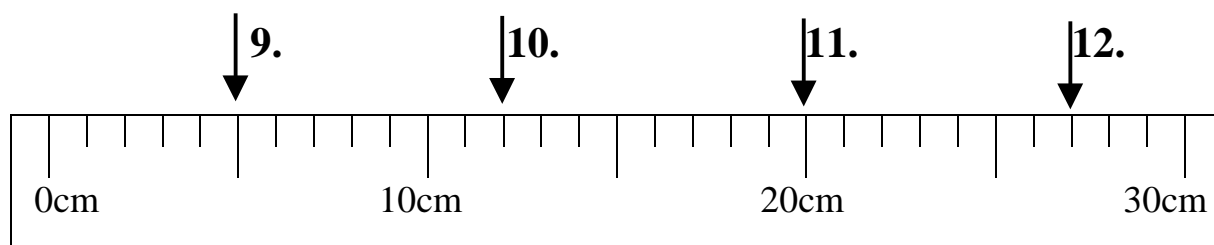
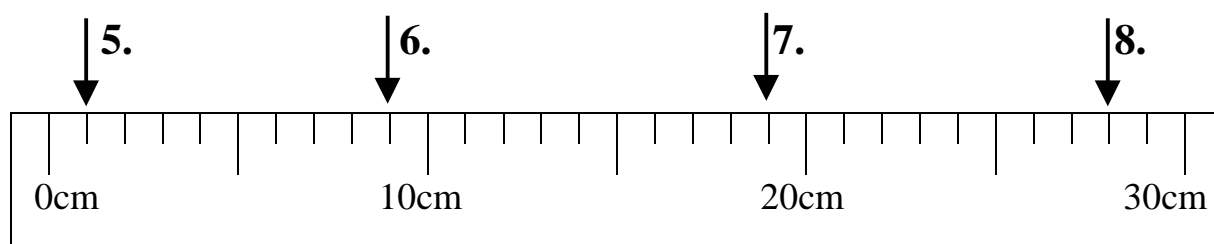
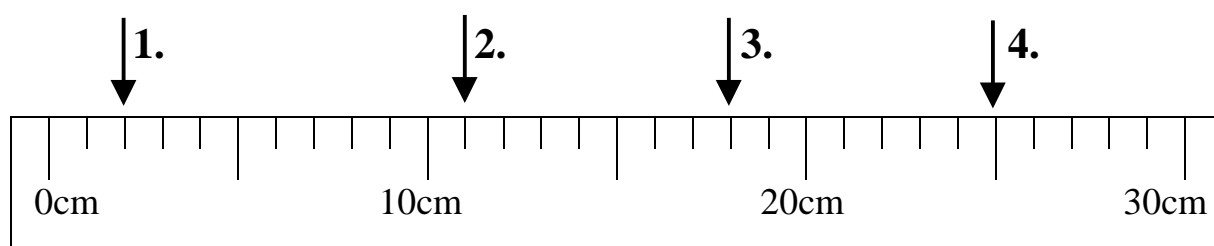
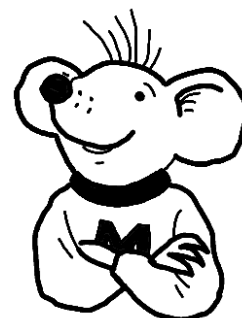
5. 5.0 cm •

6. 5.5 cm •

7. 9.0 cm •

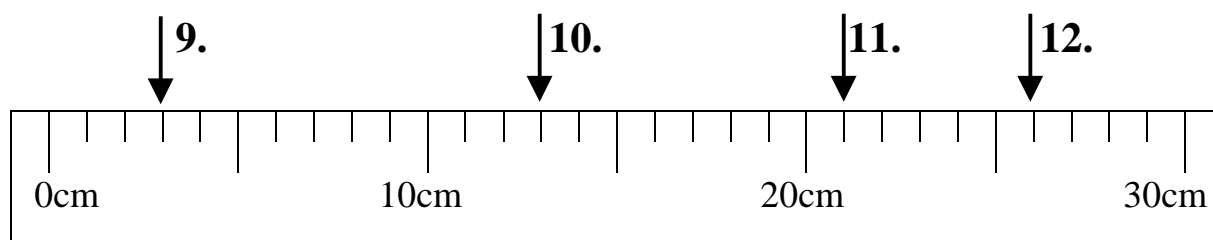
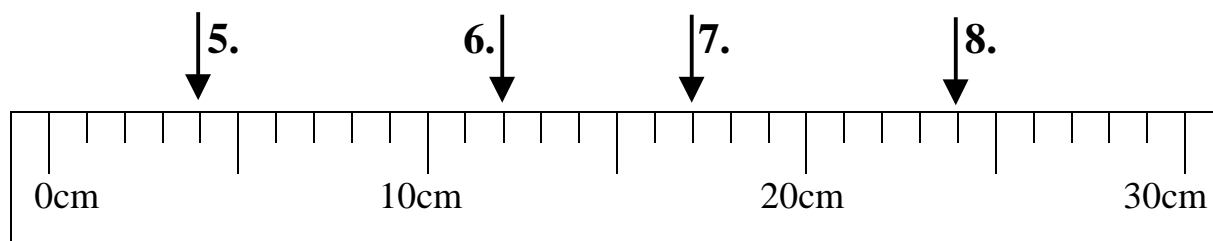
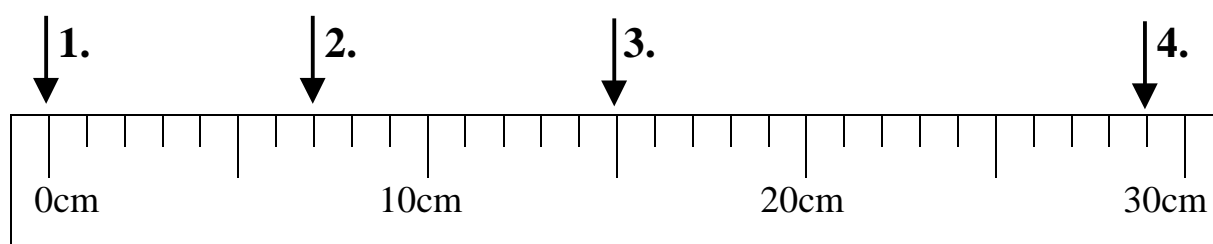
Reading scales

What lengths are shown  
on these scale drawings of  
a ruler?



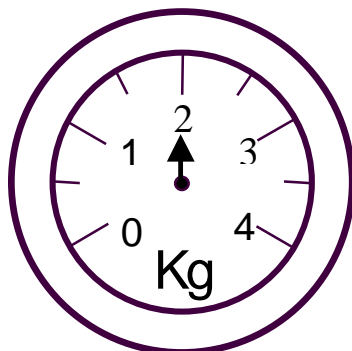
### Reading scales

What lengths are shown on these scale drawings of a ruler?

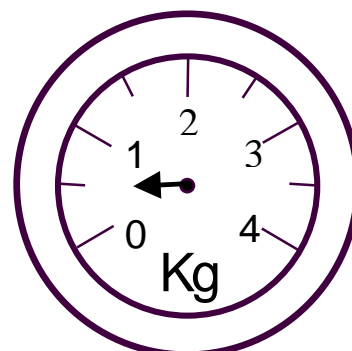


**What measurement is shown on the scales?**

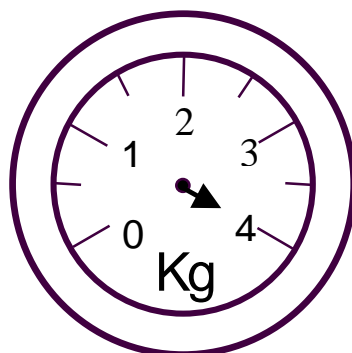
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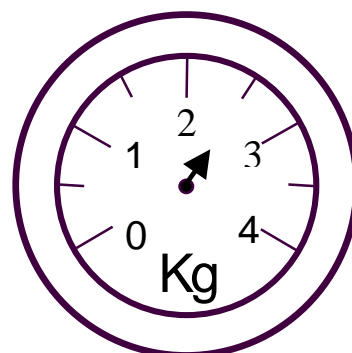
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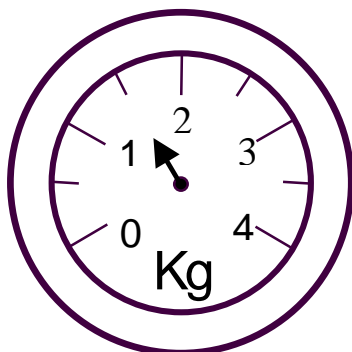
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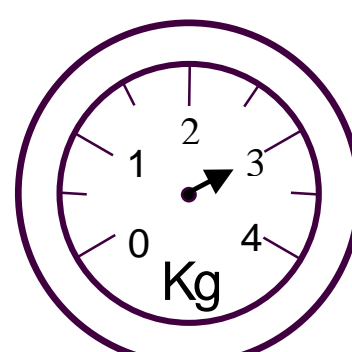
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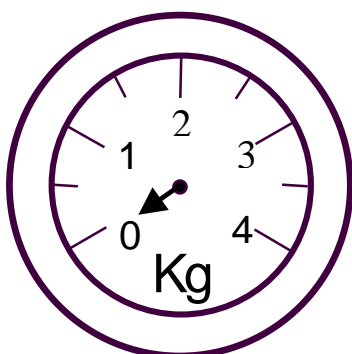
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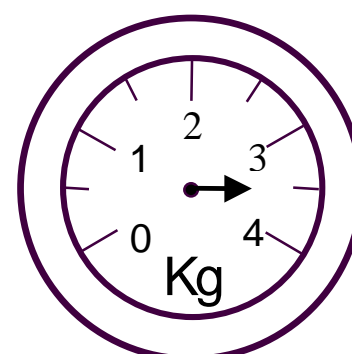
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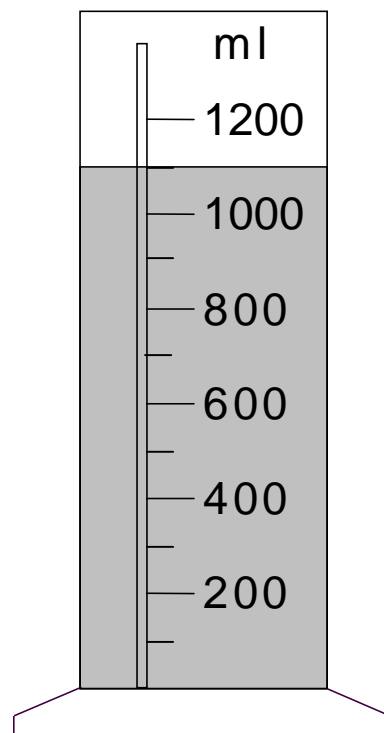
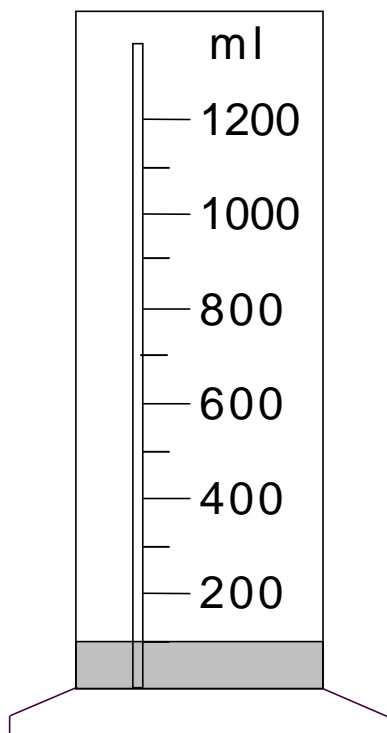
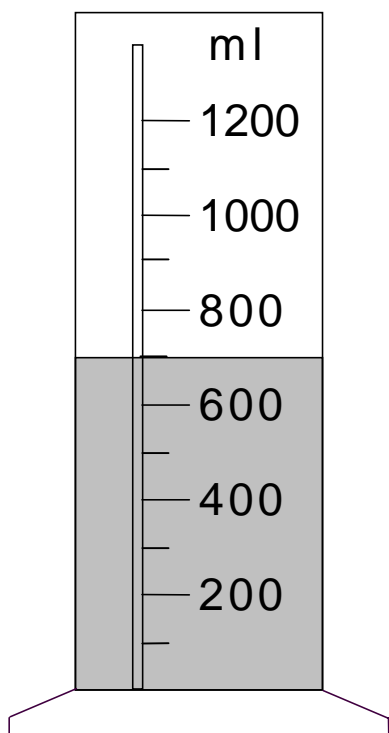
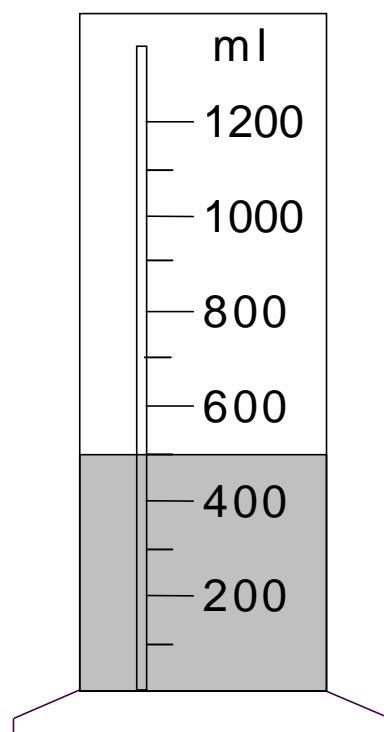
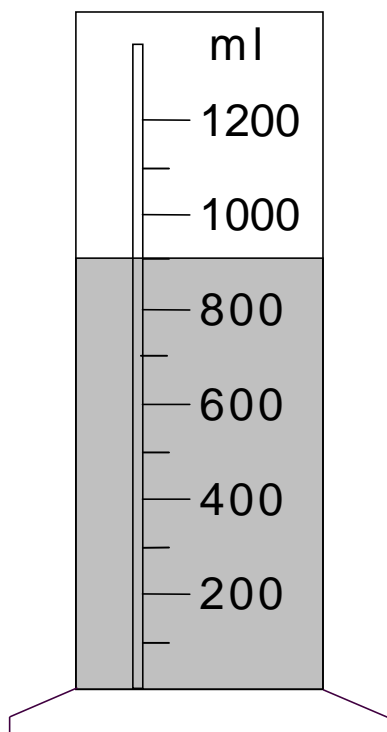
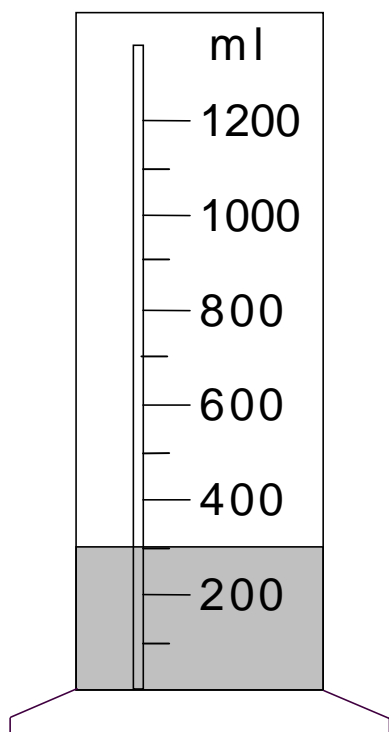


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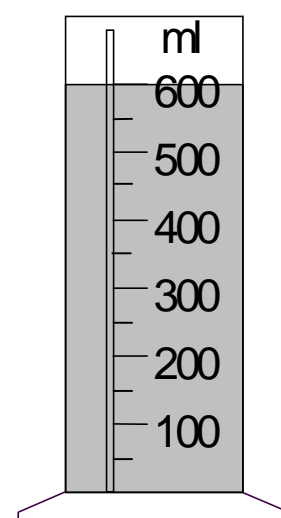
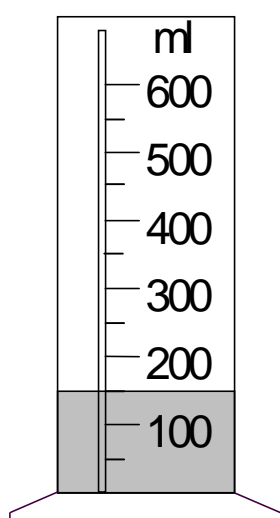
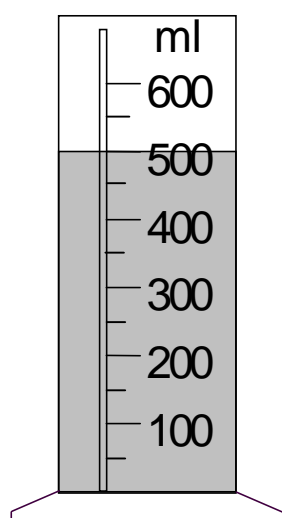
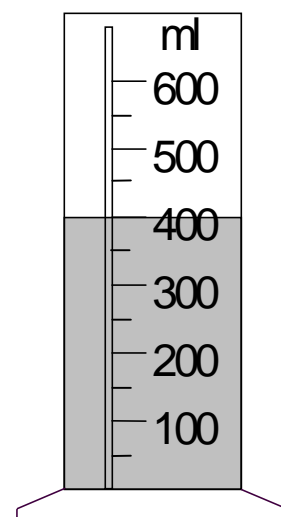
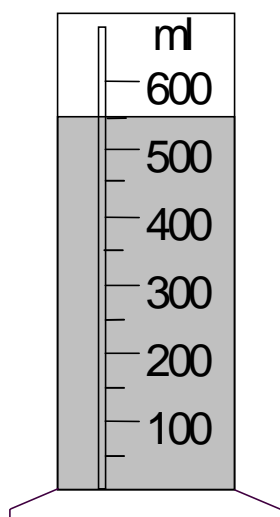
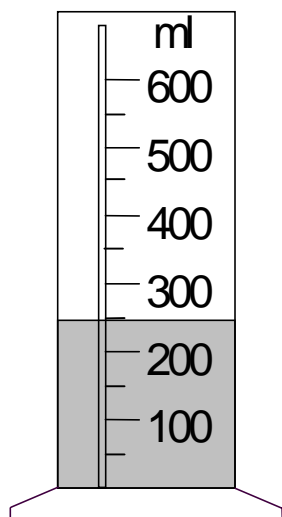


8.



**What measurement is shown on the scales?**



**What measurement is shown on the scales?**

**Answers****Page 5**

**1.** 2 cm      **2.** 11 cm      **3.** 18 cm      **4.** 25 cm      **5.** 1 cm      **6.** 9 cm  
**7.** 19 cm      **8.** 28 cm      **9.** 5 cm      **10.** 12 cm      **11.** 20 cm      **12.** 27 cm

**Page 6**

**1.** 0 cm      **2.** 7 cm      **3.** 15 cm      **4.** 29 cm      **5.** 4 cm      **6.** 12 cm  
**7.** 17 cm      **8.** 24 cm      **9.** 3 cm      **10.** 13 cm      **11.** 21 cm      **12.** 26 cm

**Page 7**

**1.** 2 kg    **2.** 0.5 kg    **3.** 4 kg    **4.** 2.5 kg    **5.** 1.5kg    **6.** 3 kg    **7.** 0 kg    **8.** 3.5 kg

**Page 8**

**1.** 300 ml    **2.** 900 ml    **3.** 500 ml    **4.** 700 ml    **5.** 100 ml    **6.** 1 100 ml

**Page 9**

**1.** 250 ml    **2.** 550 ml    **3.** 400 ml    **4.** 500 ml    **5.** 150 ml    **6.** 600 ml