

Measures and Data Unit 1

Short Mental Workouts

The short activities suggested below do not have to be done at the beginning of your maths lesson – they are suitable for doing at any time of the day to provide ongoing revision of important mental and oral skills.

While there probably isn't time during your maths lesson for these activities, it is crucial to regularly revisit the skills used. You decide when to use them – perhaps at the beginning of the day for 'morning maths', as you line up for lunch, or as a 'brain-break' during the afternoon.

If an image is suggested, you can find it on the sheet(s) below and/or use the link (beginning [https://wrht.org.uk/...](https://wrht.org.uk/)) to find it, and other related generic materials.

Day 1 – Choose units of measurement

Children draw 3x3 grid on whiteboards. Cut up picture cards (see resources). Pick a card and show, e.g. door. *Would we measure this in mm, cm or m?* In the first box children write the appropriate unit of measurement. Repeat for all cards.

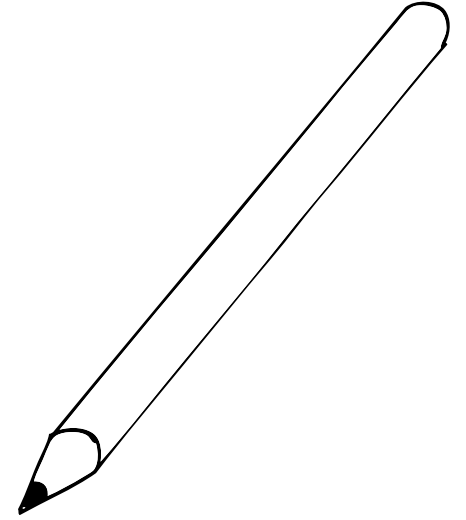
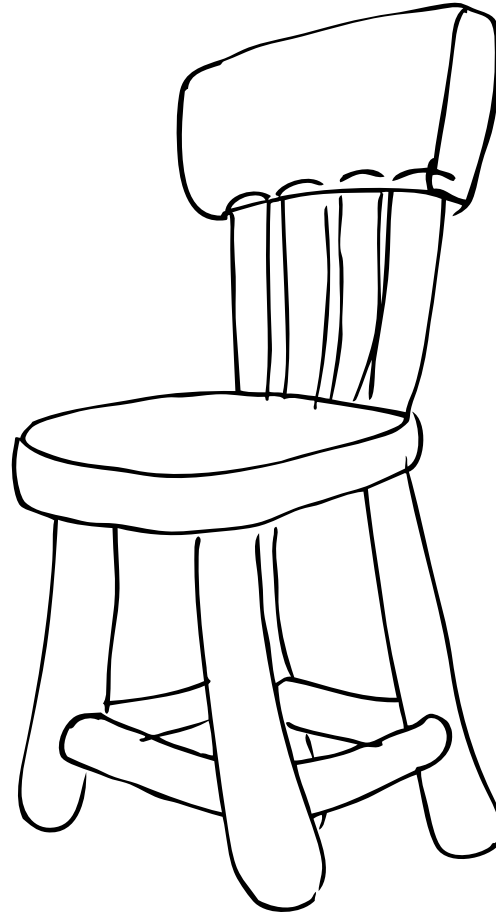
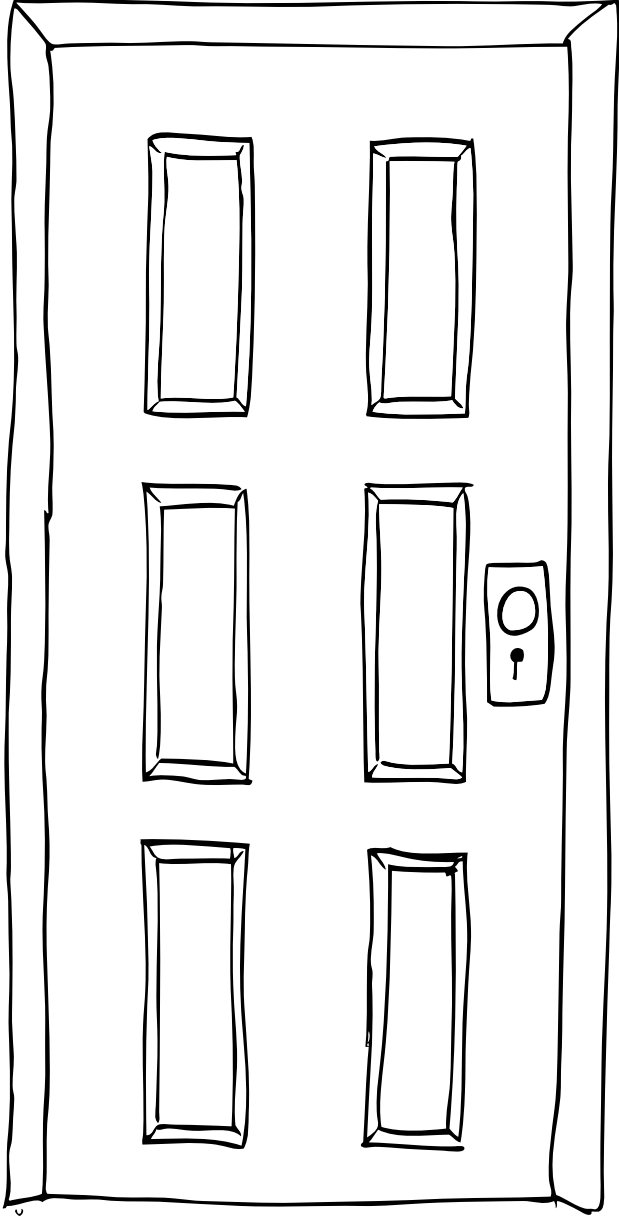
Day 2 – Convert units of measurement

Display 'Measurement cards' (see resources) 1 at a time. Ask questions such as, *How many centimetres are in a metre?* Children write down the answer with the correct unit of measurement (100cm). Show, check and repeat.

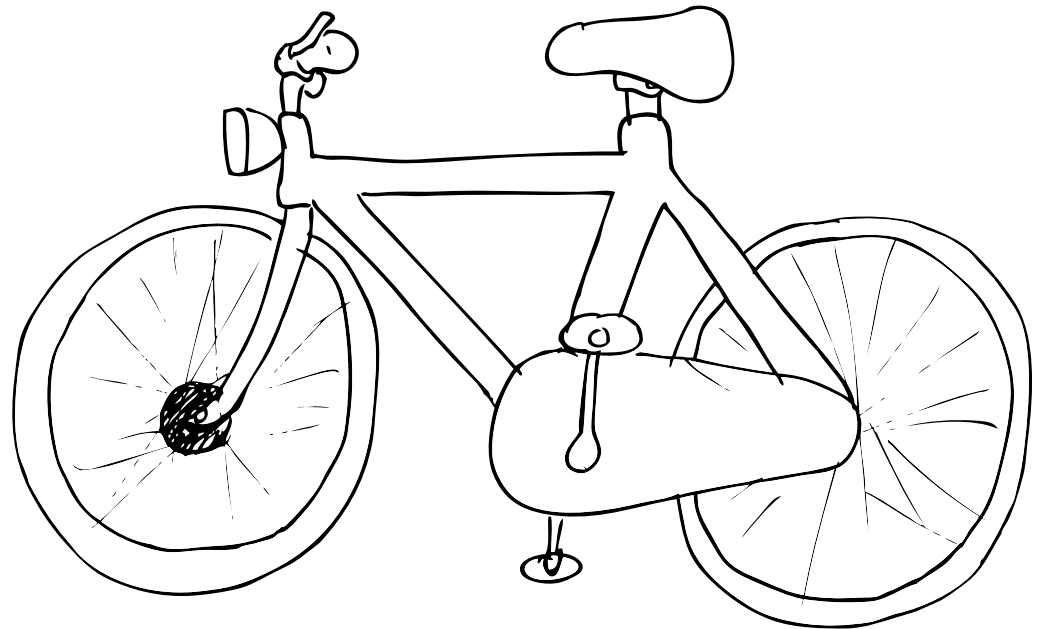
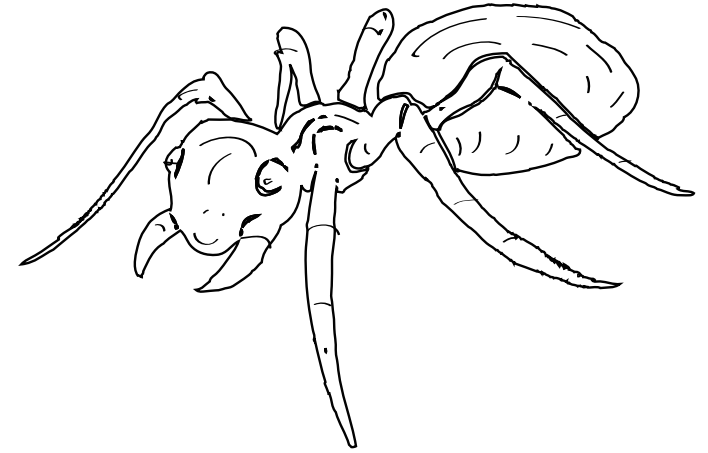
Day 3 – Mark $\frac{1}{10}$ s or 0.1s on a line

Draw a blank line from 2 to 3. Draw a mark in the middle: *What number goes here?* It is showing $2\frac{1}{2}$. *Write this in tenths: $\frac{25}{10}$ and as a decimal: 2.5.* Children copy the line and fill in the other $\frac{1}{10}$ s (Y3s) or decimals (Y4s). Count along some lines to check.

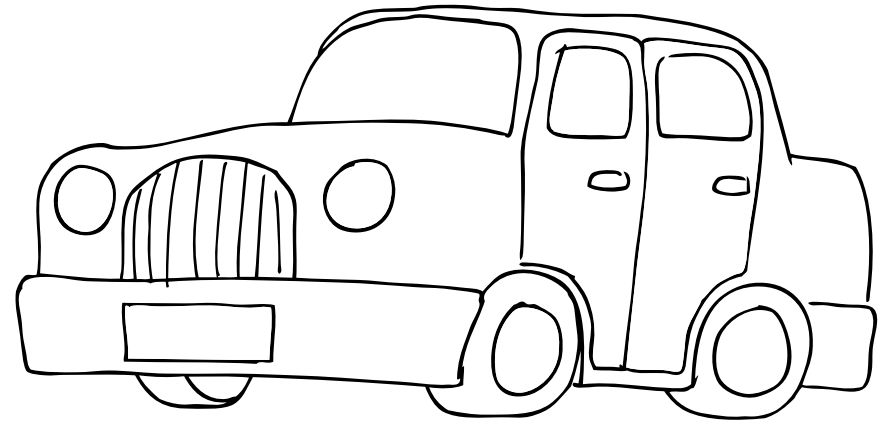
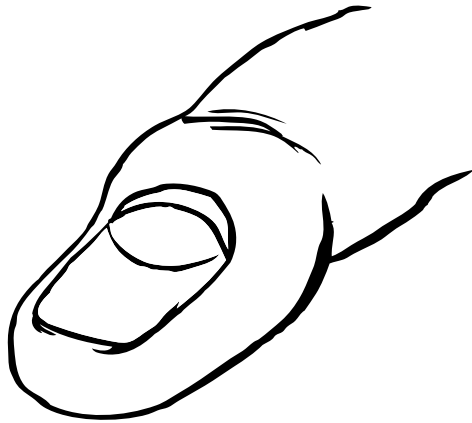
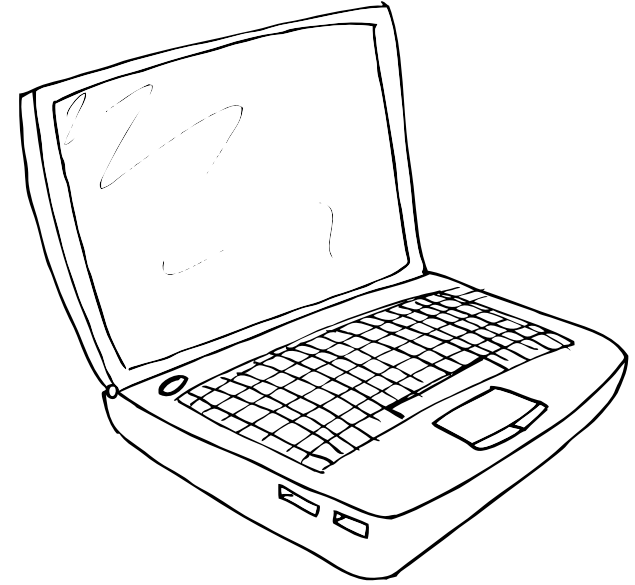
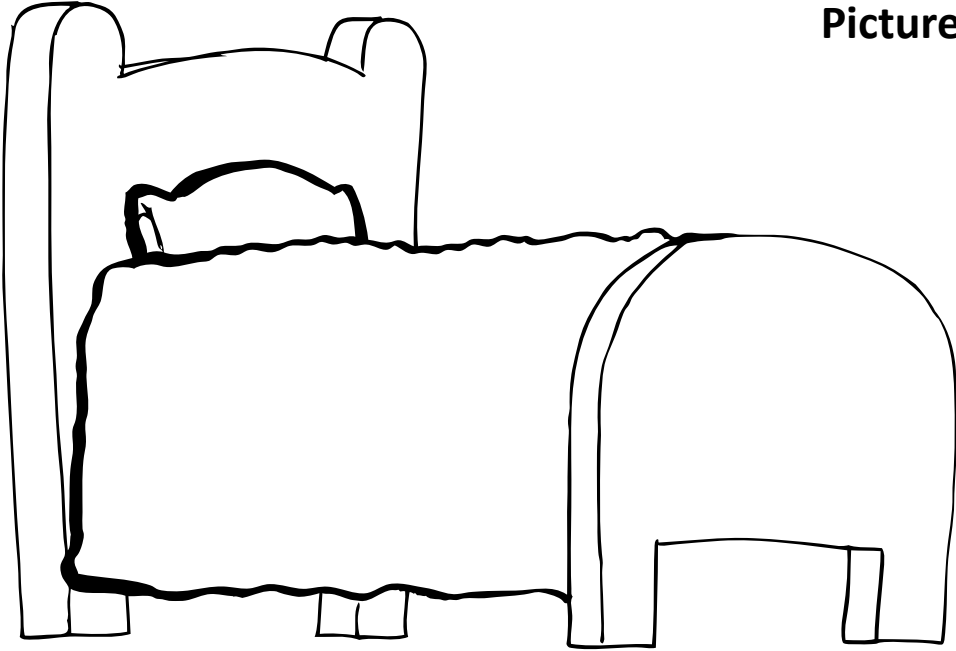
Picture cards



Picture cards



Picture cards



Measurement cards



How many
cm are in
1 m?

How many
m are in
1km?

How many
mm are in
1 cm?

How many
cm in 3m?

How many
cm in 7m?

How many
cm in 10m?

How many
m are in
4km?

How many
m are in
6km?

How many
mm are in
2cm?

How many
mm are in
4cm?

How many
cm is
30mm?

How many
cm is
60mm?

How many
m is
800cm?

How
many m is
1000cm?