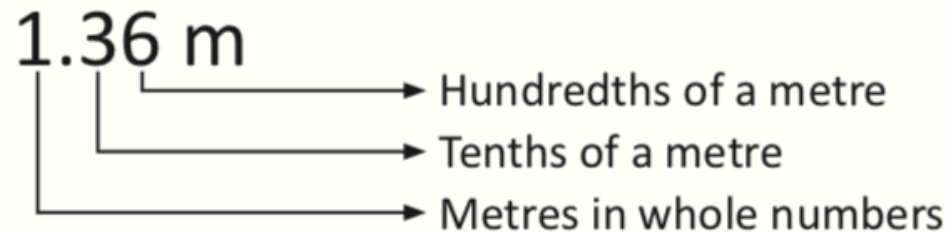


Units of length – length and decimal notation

When we measure things that are in metres and centimetres it is useful to record such lengths in decimal notation. Remember that $1 \text{ cm} = \frac{1}{100} \text{ m}$. This can be written as 0.01 m . So if we measure something that is 1 metre and 36 centimetres long, we would write it like this:



Write these centimetres as metres using decimal notation:

a 416 cm = m

b 319 cm = m

c 567 cm = m

d 607 cm = m

e 510 cm = m

f 4 cm = m

Write these measurements as centimetres:

a $9.34 \text{ m} = \square \text{ cm}$

b $3.45 \text{ m} = \square \text{ cm}$

c $6.07 \text{ m} = \square \text{ cm}$

d $5.47 \text{ m} = \square \text{ cm}$

e $0.94 \text{ m} = \square \text{ cm}$

f $9.51 \text{ m} = \square \text{ cm}$

Match the following measurements. The first one has been done for you.

1 m 65 cm

267 cm

9.87 m

2 m 67 cm

987 cm

2.61 m

1 m 69 cm

261 cm

1.65 m

9 m 87 cm

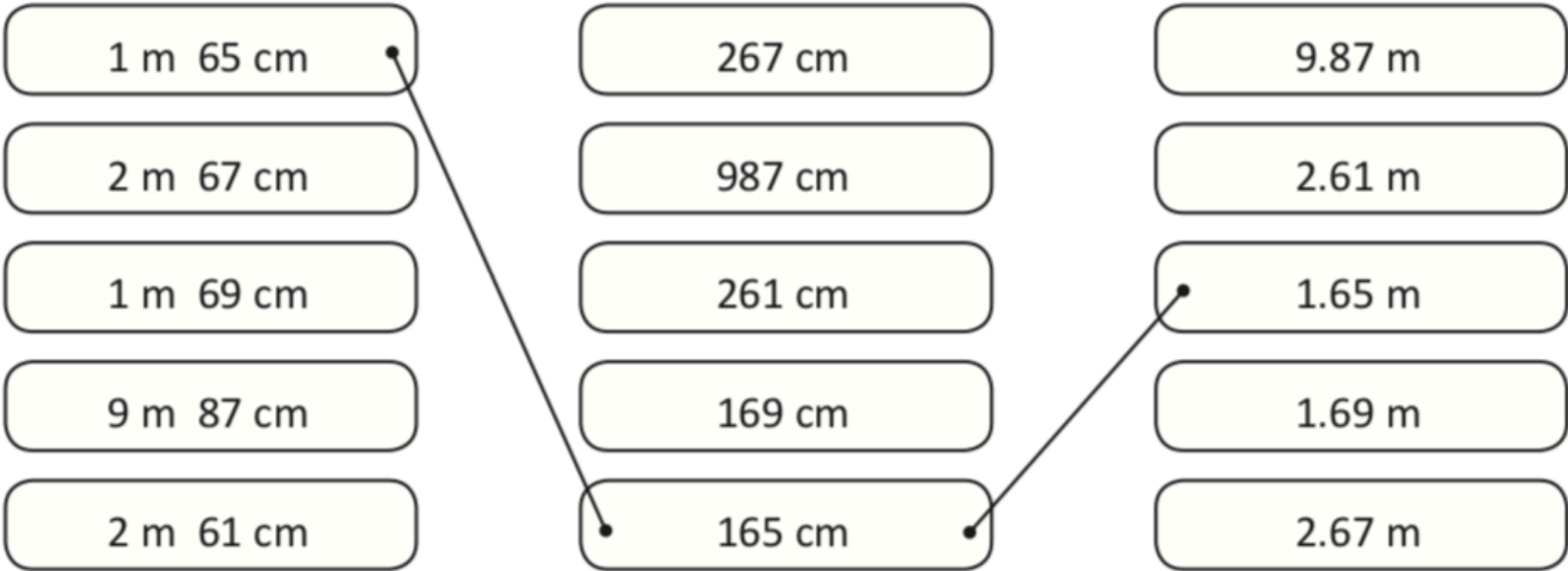
169 cm

1.69 m

2 m 61 cm

165 cm

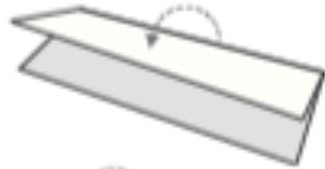
2.67 m



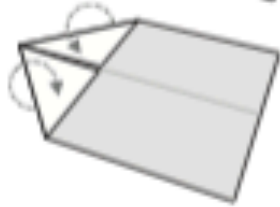
FINAL FUN TASK:

If you have access to a sheet of paper, try and make a paper aeroplane. Measure the distance from where you're standing to where the aeroplane lands. How many different ways can you write that distance.

In this activity, you are going to make a paper aeroplane to fly and mark the distance it has flown. You will need one sheet of A4 paper, a ball of string and a metre ruler.



1 Fold the sheet of A4 paper in half lengthwise. Crease the folded end. Unfold the paper and lay it on a flat surface.



2 Fold the right top corner to the centre line. Crease the diagonal fold. Repeat for the left top corner.



3 Fold the new right top corner to the centre line. Crease the folded end. Repeat for the new left top corner.



4 Turn the aeroplane over and fold the sheet lengthwise, inward, along the centre line. Crease the folded end.



5 Fold the top flap down so that its front touches the bottom of the 'plane'. Crease the folded end.



6 Turn the paper over, fold and crease the other flap as you did in step 5.



7 Lift the flaps to create the wings.