

Measuring

Card Sorting Game



This activity explores the ways items used to be measured, giving students a historical context that explains some of the language still used today. Students should imagine that they lived hundreds of years ago and they need to do some measuring without the tools and technology that we now take for granted.

Suitable for students aged 7+

Learning Outcome: Students will have gained an understanding of the different ways in which items can be measured. They will have also increased their knowledge of history and the evolution of language.

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Measuring Card Sorting Game

Developed by Peter Wardle

Illustrated by Peter Bennett

Theme: Measuring

Age range: 7+

Context:

This activity explores the ways items used to be measured, giving students a historical context that explains some of the language still used today. Students should imagine that they lived hundreds of years ago and they need to do some measuring without the tools and technology that we now take for granted.

Like many of our activities this one is designed to encourage children to research and produce further examples of tasks and more methods of measuring. With this in mind we have left some some cards blank so that students can add their own.

Preparation:

Print out the A4 sheets. If possible, laminate the Task Sheets. Cover the print outs of the Playing Cards and the Sorting Cards in 'clear pvc self adhesive film' and then cut them out along the dotted lines.

HOW TO PLAY:

This is a game for a group of four to six players.

Give each player a Task Sheet. There are four measuring tasks on each sheet.

Shuffle the Measuring Cards. Place them in a pile face down.

Take turns to pick up a card. Keep the card if it will help you with one of your tasks and place it above the task on your sheet. You will need to explain to the rest of the group why it will help you.

If the card is not helpful pass it around the group clockwise until a player can match it to a measuring task on their Task Sheet.

Play the game until everybody's Task Sheet is covered.

After the game, keep the Measuring Cards you have collected, and split the left over Measuring Cards between the players. Put the Task Sheets away and take out the 4 Sorting Cards. Place them at the four corners of the table. Then students can take turns to place their Measuring Cards next to the correct Sorting Cards.

Learning Outcomes:

Students will have gained an understanding of the different ways in which items can be measured.

They will have also increased their knowledge of history and the evolution of language.

If you have found further learning outcomes please share them by emailing collaborate@mantralingua.com.

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(You can purchase a professionally printed, sound-enabled version of this activity with pre-cut cards from www.mantralingua.com. Students can use TalkingPEN to record and re-record aurally onto the pages and cards. Recordings can be saved and used for assessment, or shared with other classes and schools via "ShareLINK".)

For measuring
time

For measuring
volume

For measuring
length and
height

For weighing
things

You want to
know how many
days there are in
the summer.

1

You need to
know the size
of a field.

You need to
measure flour,
sugar and fruit
for cake you
want to make.

You want to
measure a small
amount of
gold dust.

You want to
give your friends
equal shares of
some cheese you
have made.

2

You need to
know the height
of a horse.

You want to
know how long
it takes for
potatoes to grow.

You want to
make bricks
that are all the
same size

You need to
know the size
of a room in
your house.

You need to
weigh some fruit
that you are
selling.

3

You need to give
your chickens the
same amount of
food each day.

You want to
measure the
mast of a boat.

You need to
know how long
it takes to bake
a cake.

You want to give
your friends an
equal share of
some milk.

4

You want to know
how long it takes
to boil an egg.

You need to
make some
arrows that are
all the same
length.

You want to
measure a roll
of cloth.

You need to know
how much rice
you have grown.

5

You want to
measure how
much rain has
fallen.

You want to
know how wide
a river is.

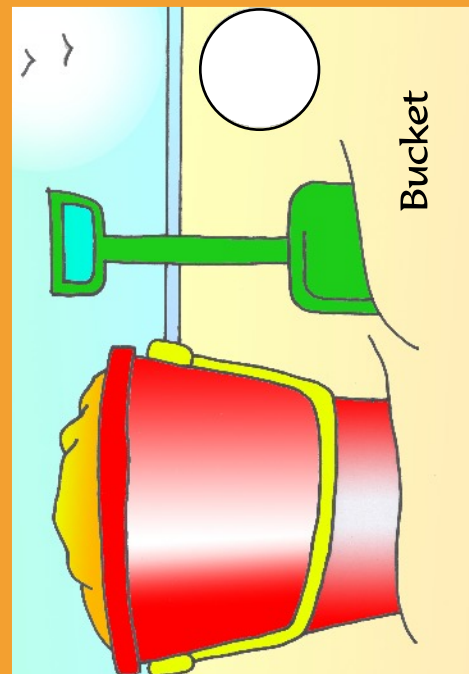
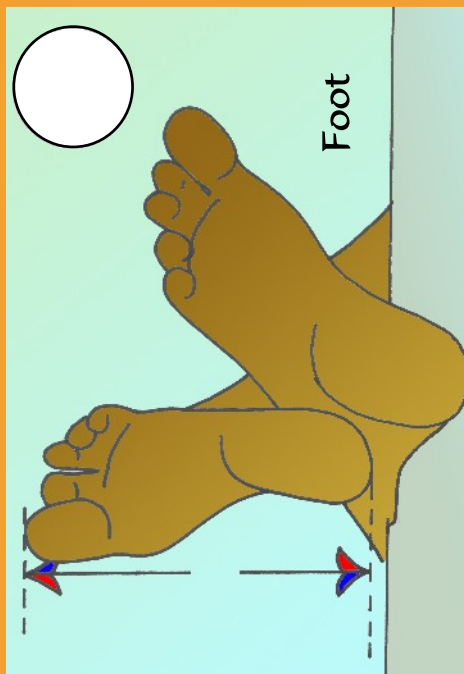
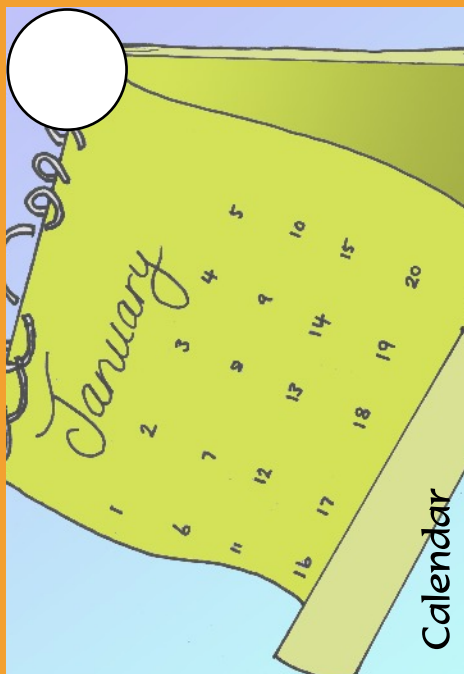
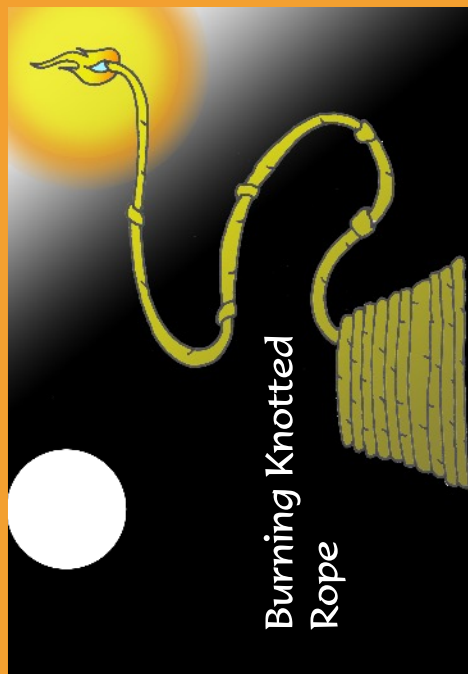
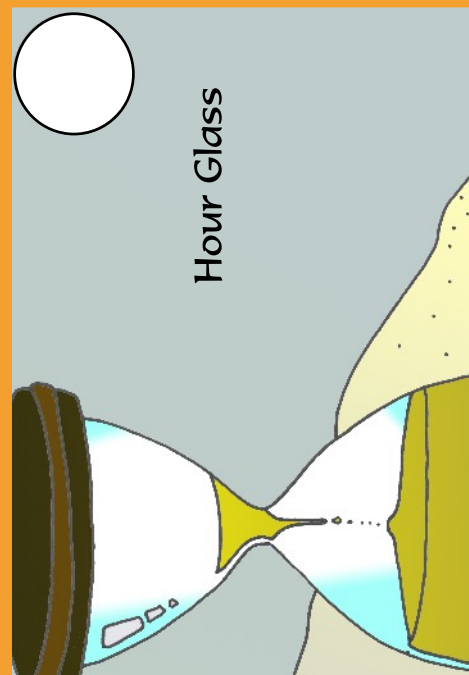
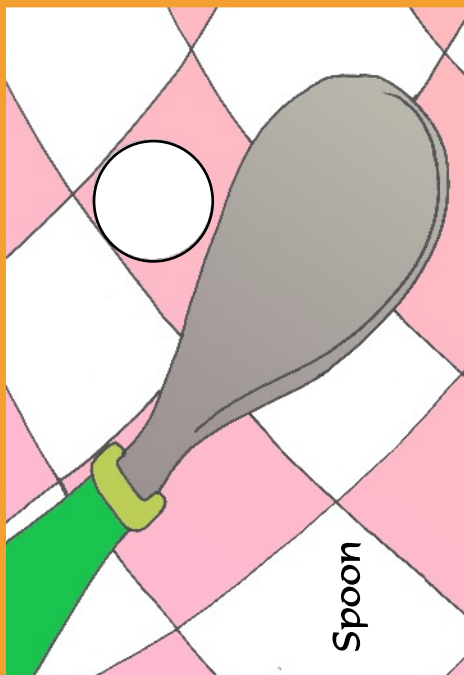
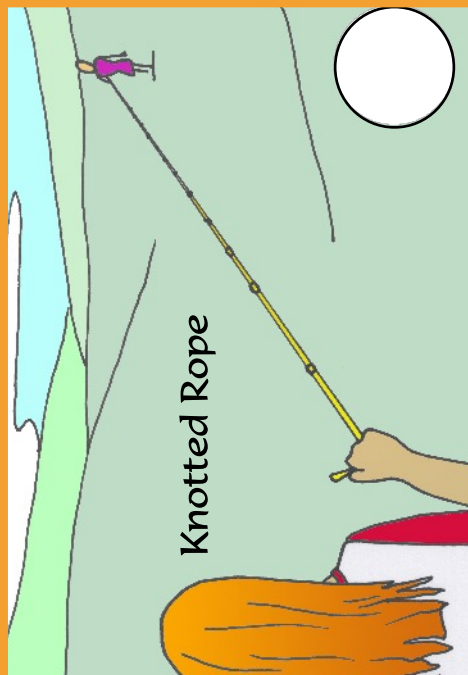
You want to
find out how far
you can shoot
an arrow.

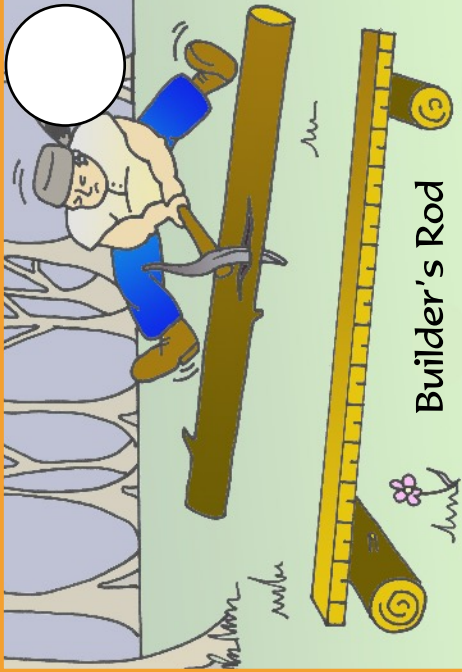
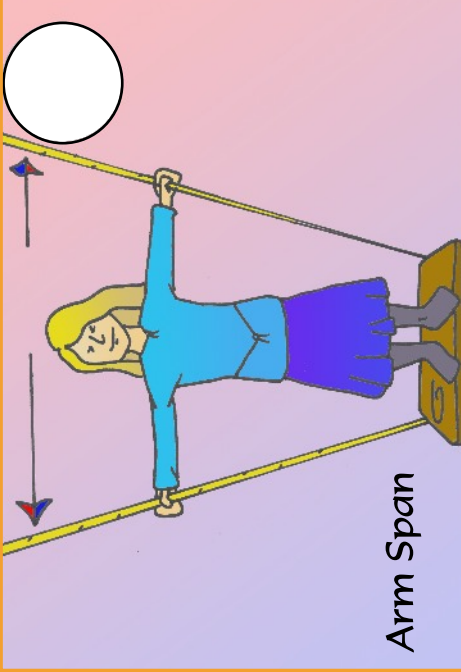
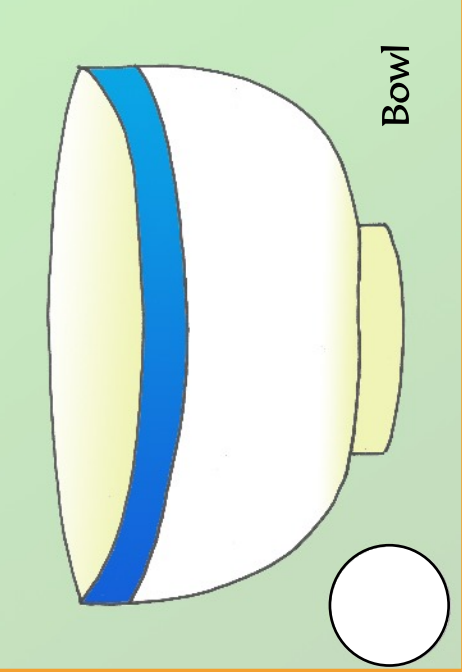
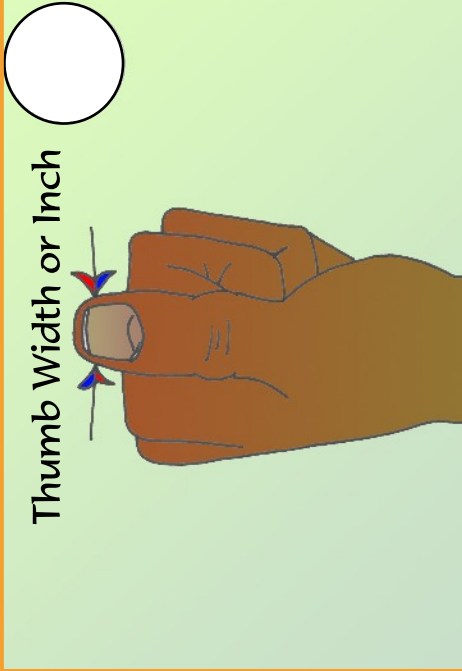
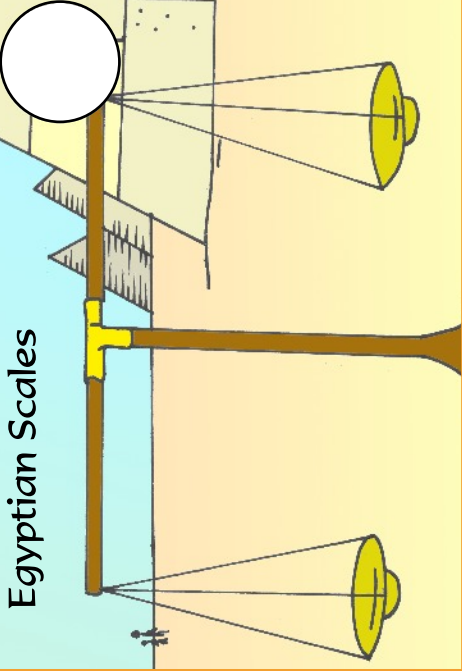
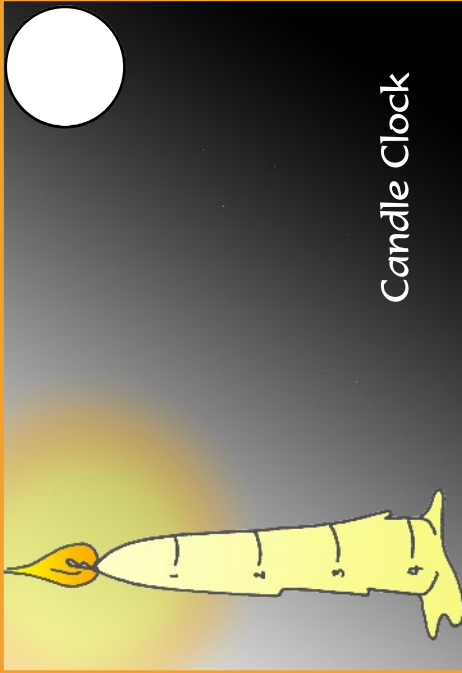
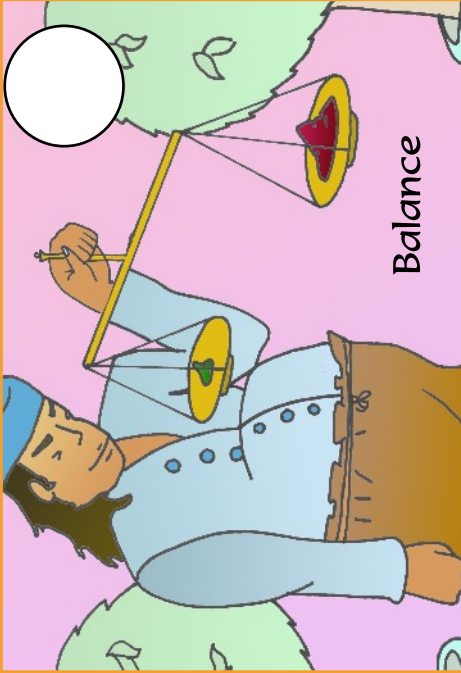
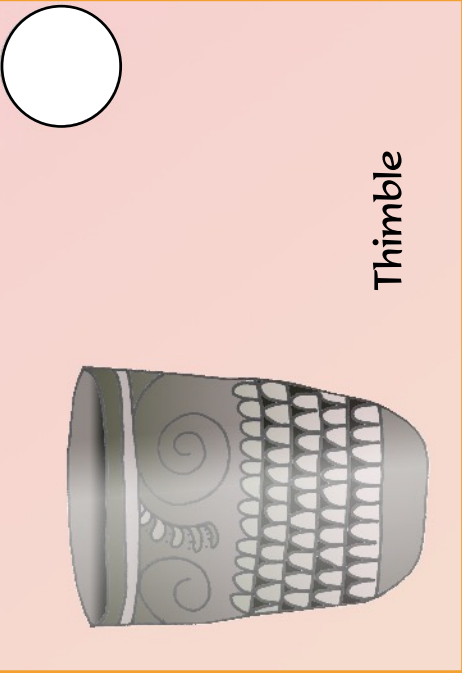
6

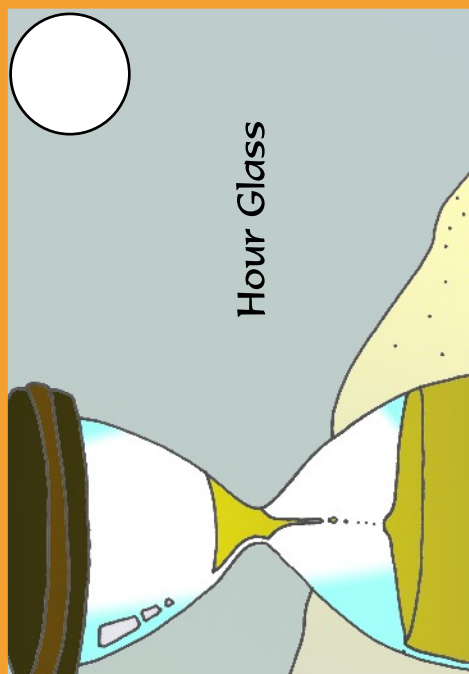
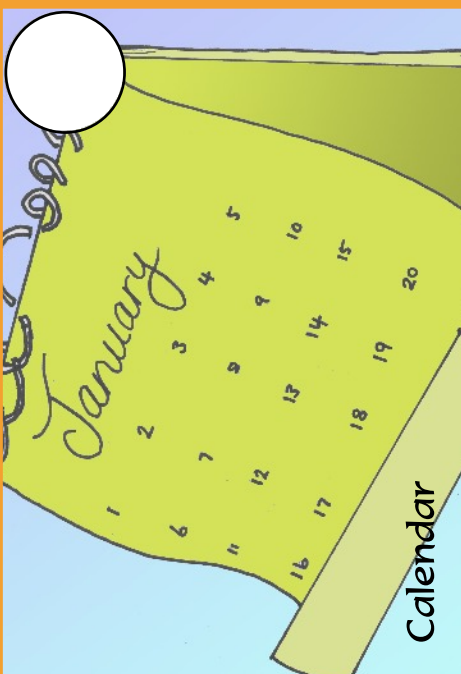
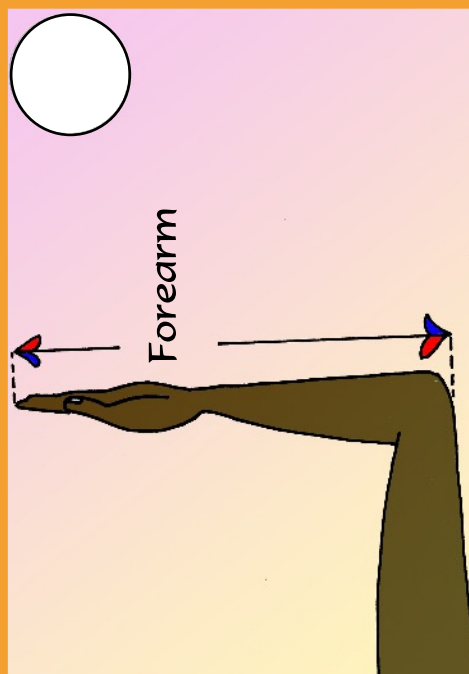
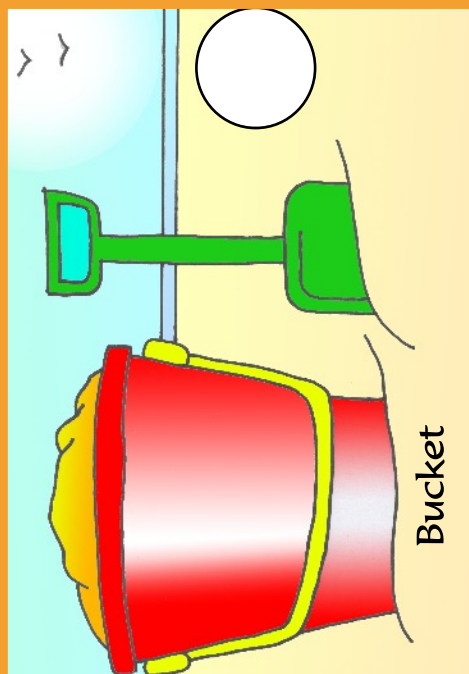
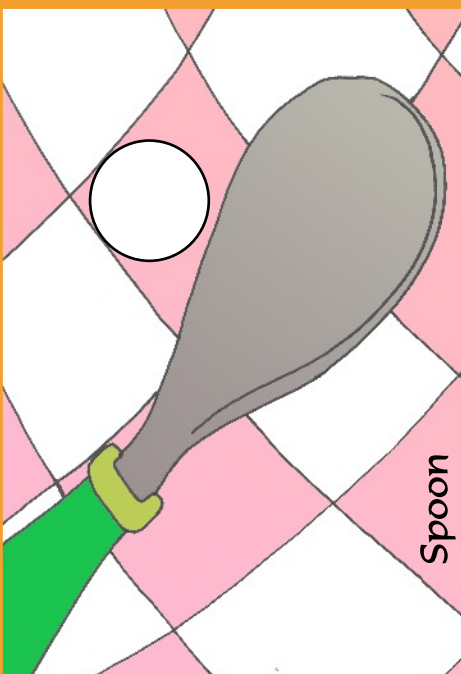
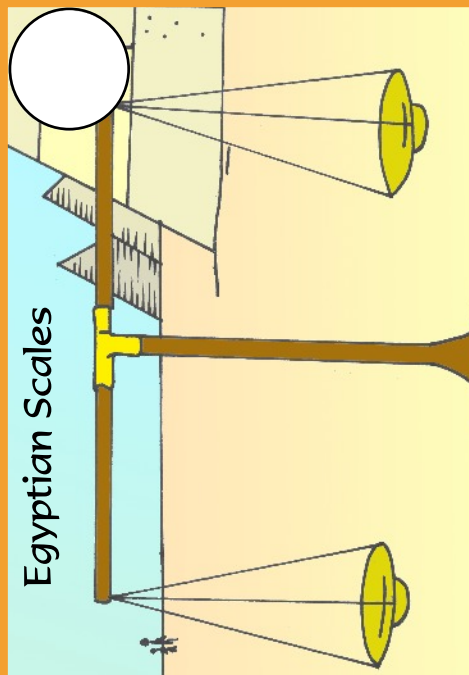
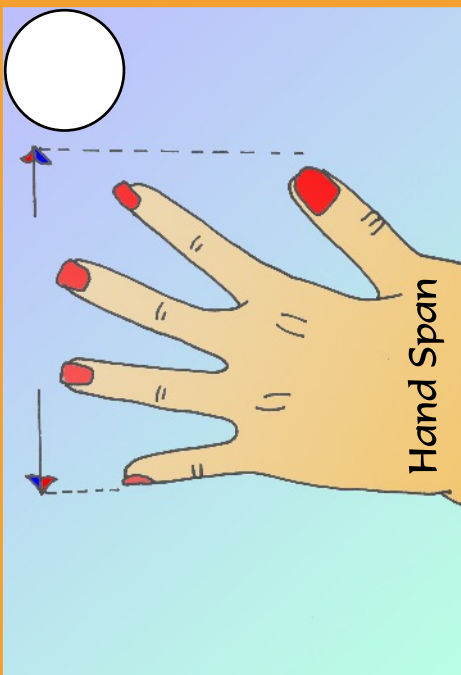
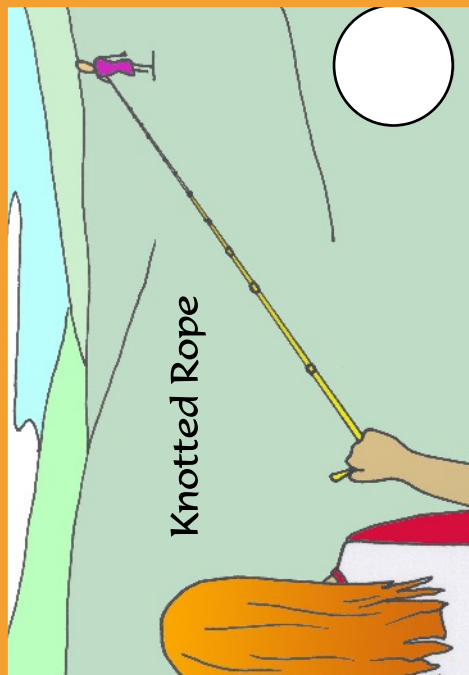
You want to
measure a
small fish.

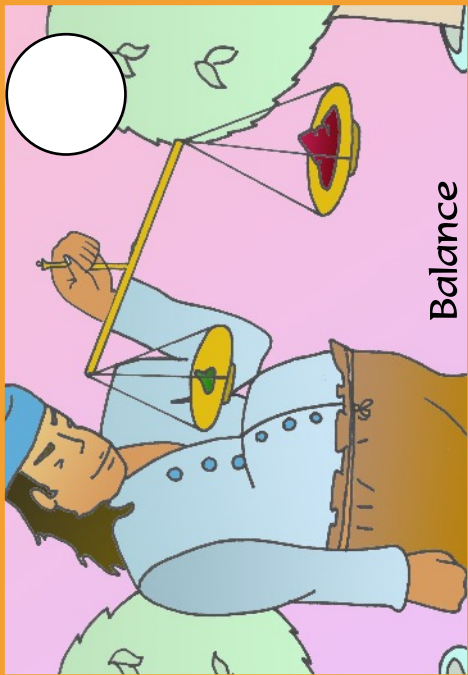
You want to make
some wooden
posts that are all
the same size.

You want to
measure a
small amount
of medicine.

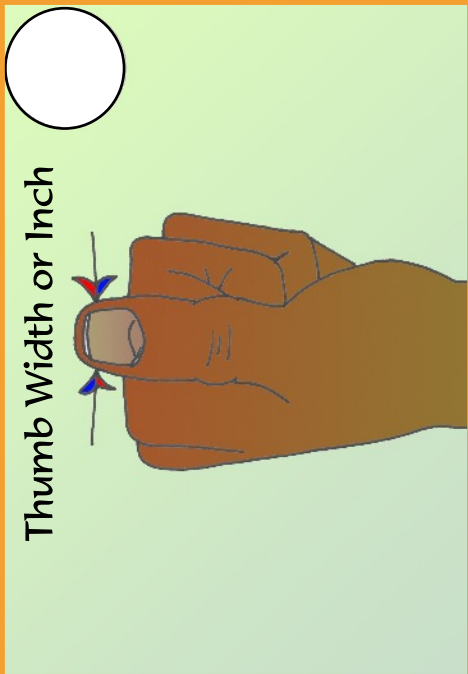




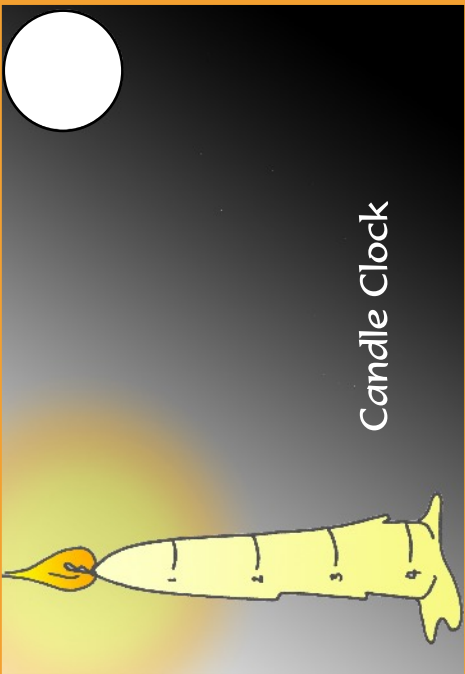




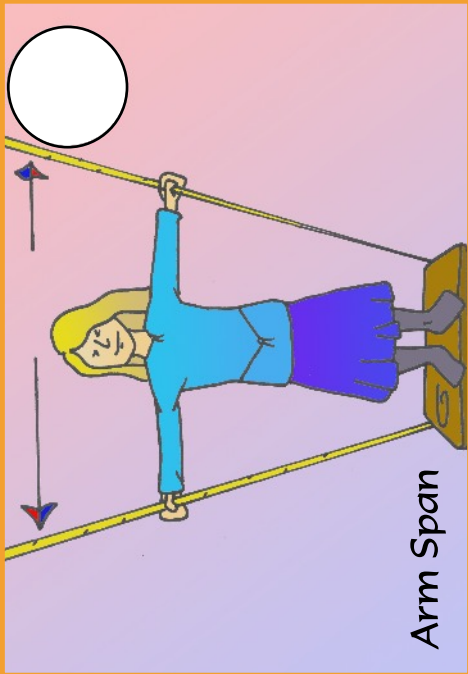
Balance



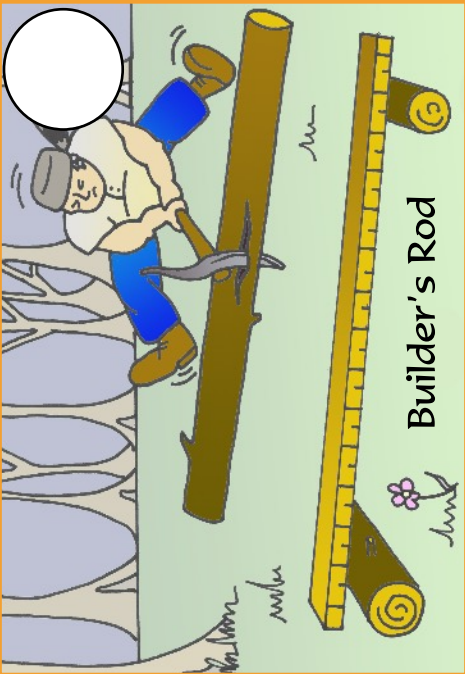
Thumb Width or Inch



Candle Clock



Arm Span



Builder's Rod