

Week 2, Activity 1 - Pick up sticks



Key skills

- To develop spatial awareness, fine motor control and develop mathematical vocabulary.

Have ready

- About 20 sticks or alternatives.
- At least two players.

Activity

- Get about 20 sticks and drop them into a pile.
- Take it in turns to remove a stick without moving any others. You could ask what shapes you see when you look down at the pile.

Week 2, Activity 2 - Make a sun clock

Key skills

- To explain how a sun dial works with sunlight and to compare the accuracy and precision of this method with an analogue or digital clock.

Have ready

- A stick.
- Stones.
- A watch.

Activity

- Use a stick to tell the time for a day and see how the earth moves in relation to the sun. You will need a watch or clock handy.

- Find an open area of ground that gets the sun all day. It needs to be somewhere where it won't get disturbed.
- As early as possible in the morning, push the 1m stick in the ground. Make sure the stick is vertical.
- Every hour on the dot mark the tip of the stick's shadow with a short stick or pebble, writing the hour beside it.
- The following day you can tell the time by looking at your sun dial.
- Work out the timings between the sticks. How accurate is your sun dial?