

Shadows

Name: _____

Shadows

A shadow is a dark shape caused by an object blocking light.

Measuring shadows.

Make a mark outdoors away from buildings and trees.

Stand on the mark and measure your shadow every hour.

How did the length of your shadow change over time?

Why did the length of your shadow change?

Silhouette Portraits

A silhouette portrait is the outline of a human profile, filled in with a solid shade.



Create silhouette portraits of some friends and family.

Shadow Puppets

Shadow puppetry is an very old form of art that has been around for more than 2 000 years.

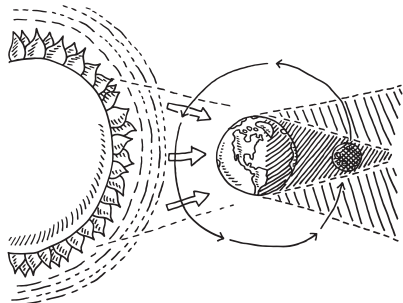
Using a strong directional light, and just your hands to make the shadows, see how many different objects and animals you can make.

Extension Research

What is a solar eclipse?

What is a lunar eclipse?

Prepare a report explaining the difference between a solar eclipse and a lunar eclipse.



Synonyms

Write synonyms for the following words.

tall _____

dark _____

large _____

quiet _____

jump _____

throw _____

small _____

Number Crunchers

Below are the lengths of the shadows of two students at different times of the day.

Karl 8am-1.6m 9am-1.4m 10am-1.2m

Mary 8am-1.45m 9am-1.25m 10am-1.05m

What will be the length of Karl's shadow at 11am?

What will be the length of Karl's shadow at 11.30am?

What will be the length of Mary's shadow at 11am?

What will be the length of Mary's shadow at 11.30am?

