

DURATION OF TIME USING INFORMAL UNITS.

INVESTIGATIONS OVERVIEW PAGE

THIS PAGE IS A SUMMARY OF THE INVESTIGATIONS THAT STUDENTS MAY ENGAGE IN TO DEEPEN THEIR RELATIONAL UNDERSTANDING. INVESTIGATIONS WITH INSTRUCTIONS TO STUDENTS FOLLOW ON SUBSEQUENT PAGES.

- Select an activity and an informal unit of time measurement. Children estimate, then measure the duration of the activity using their unit of time measurement. Units of measurement of time could include clapping or stamping or counting. Children compare their estimation with their actual measurement. Children identify whether their unit of measurement is always the same length, for example, clapping / stamping / counting could be fast or slow.

Activities that could be timed by could include:

- ▶ drawing 3 triangles / squares / rectangles
- ▶ say the alphabet
- ▶ count forwards / backwards to 10 / 20
- ▶ sing a song, for example, 'happy birthday'
- ▶ stamp 10 times
- ▶ tie your shoelace
- ▶ make a tower of 10 blocks
- ▶ write your name
- ▶ start from 6 and write the numbers to 10
- ▶ jump 10 times
- ▶ put on your jacket / jumper

Reflection: How can we use informal time units to time the duration of activities?

Duration of Time using Informal Units.

Sit with a friend.

Select an activity, for example,

- drawing 3 triangles / squares / rectangles
- saying the alphabet
- counting forwards / backwards to 10 / 20
- singing a song, for example, 'happy birthday'
- stamping 10 times
- tying your shoelace
- making a tower of 10 blocks
- writing your name
- starting from 6 and write the numbers to 10
- jumping 10 times
- putting on your jacket / jumper

Select an informal unit of time measurement, for example, clapping, stamping, jumping, etc..

Estimate the duration of the activity using your unit of measurement.

Measure the duration of the activity using your unit of measurement.

Compare your estimation with your actual measurement.

Identify whether your unit of measurement is always the same length, for example, could clapping / stamping / jumping be fast or slow?

Reflection: How can we use informal time units to time the duration of activities?