

TIME TO THE MINUTE ON DIGITAL AND ANALOG CLOCKS.

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.

- In pairs, children have an analog clock and a digital clock. Children move hands on an analog clock to show time on the minute. Children identify the time shown. Children record the time on both an analog clock and a digital clock. *Reflection: How can we read and record time to the minute on an analog clock? How can we read and record time to the minute on a digital clock?*
- In pairs, children have an analog clock. They take turns to say a time. The other child moves the hands on an analog clock to show that time. The other child records the time on a digital clock. *Reflection: How can we read and record time to the minute on an analog clock? How can we read and record time to the minute on a digital clock?*
- Children select 3 or 4 cards to make a digital time, for example, they select a 5, a 4 and an 8 and make either 5:48 or 4:58 or 8:54 or 8:45, or select an Ace (1), a 3, a Joker (0), and a 5 and make either 10:53 or 10:35. They record the time on an analog clock and a digital clock. NB: Allowing students to make their own times using cards both develops and deepens understanding of 12 hour time. *Reflection: How can we read and record time to the minute on an analog clock? How can we read and record time to the minute on a digital clock?*
- At home and at school, children, their teachers and their parents take every opportunity to tell the time on the minute on analog and digital clocks. Include approximations, for example, when a clock is showing 16 minutes past an hour, we often say it is quarter past. *Reflection: How can we read and record time to the minute on an analog clock? How can we read and record time to the minute on a digital clock?*

Time to the Minute on Digital and Analog Clocks.

Sit with a friend.

Each of you have a have an analog clock.

Move the hands on the analog clock to show time on the minute.

Identify the time shown.

Record the time on both an analog clock and a digital clock.

Reflection: How can we read and record time to the minute on an analog clock?

How can we read and record time to the minute on a digital clock?

Time to the Minute on Digital and Analog Clocks.

Sit with a friend.

Each of you have a have an analog clock.

Take turns to say a time.

Your friend moves the hands on an analog clock to show that time.

Both of you record the time on a digital clock.

Reflection: How can we read and record time to the minute on an analog clock? How can we read and record time to the minute on a digital clock?

Time to the Minute on Digital and Analog Clocks.

Select 3 or 4 cards to make a digital time.

For example,

- select a 5, a 4 and an 8 and make either 5:48 or 4:58 or 8:54 or 8:45.
- select an Ace (1), a 3, a Joker (0), and a 5 and make either 10:53 or 10:35

Record the time on an analog clock and a digital clock.

Reflection: How can we read and record time to the minute on an analog clock? How can we read and record time to the minute on a digital clock?