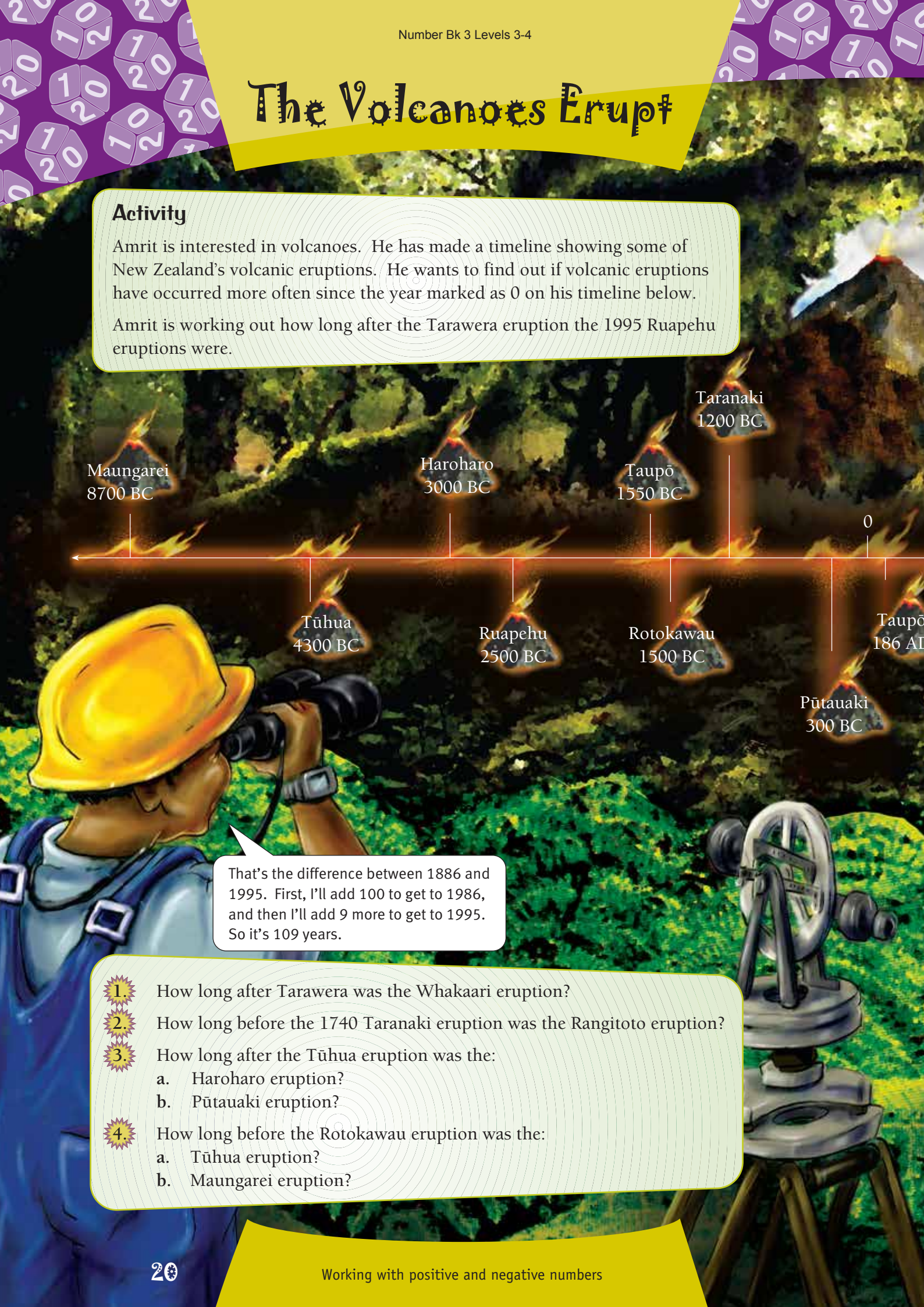
The Volcanoes Erupt

Activity

Amrit is interested in volcanoes. He has made a timeline showing some of New Zealand's volcanic eruptions. He wants to find out if volcanic eruptions have occurred more often since the year marked as 0 on his timeline below.

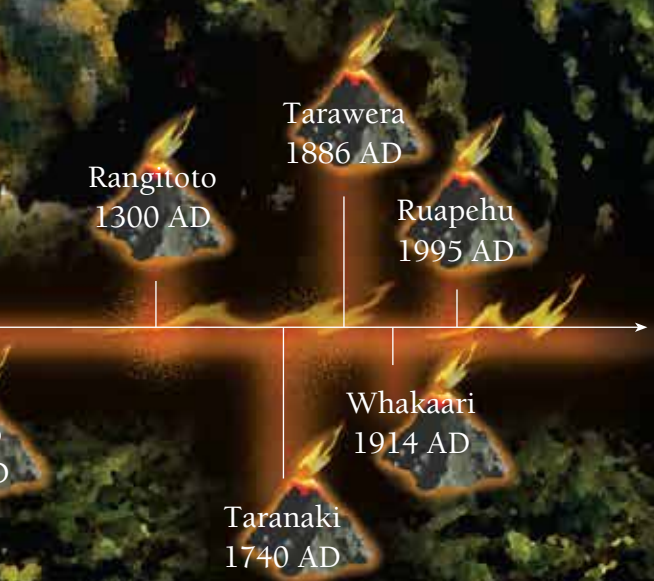
Amrit is working out how long after the Tarawera eruption the 1995 Ruapehu eruptions were.



1. How long after Tarawera was the Whakaari eruption?
2. How long before the 1740 Taranaki eruption was the Rangitoto eruption?
3. How long after the Tūhua eruption was the:
   a. Haroharo eruption?
   b. Pūtauaki eruption?
4. How long before the Rotokawau eruption was the:
   a. Tūhua eruption?
   b. Maungarei eruption?

Amrit is working out how long the Rangitoto eruption was after the Pūtauaki eruption.

Hmm ... from 300 BC, I'll add 300 to get to 0.
Then it's 1 300 years after that.
That's 300 + 1 300 = 1 600. So I just need to add the BC date to the AD date to find the difference.



5. How long was it between the two eruptions shown for:
   a. Taranaki?
   b. Ruapehu?
   c. Taupō?

6. Which eruption was:
   a. 4 300 years before the Rangitoto eruption?
   b. 3 386 years before the Tarawera eruption?

7. Which eruption was about:
   a. 10 700 years ago?
   b. 1 800 years ago?
   c. 3 200 years ago?

Investigation

Not all the eruptions that have taken place in New Zealand are shown on this timeline. See what other eruptions you can find out about.