Ihumanea Pāngarau
Te Paenga
MĀ TE KAIAKO

Kia Mōhio te Ākonga ki:
- te whiriwhiri i te paenga o tētahi āhua
- te whai i tētahi rautaki arorau ki te whakaoti rapanga

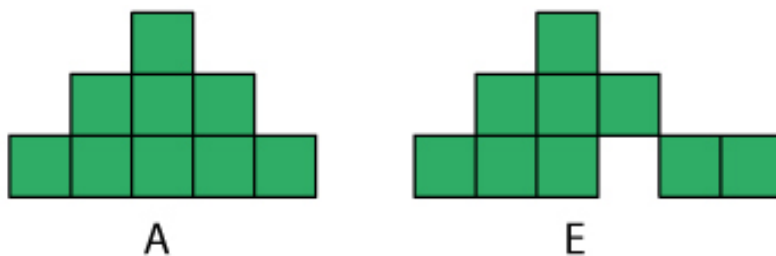**Kupu Matua:**
paenga, tapawhā rite

Whāinga Paetae:

Taumata 4, Te Ine me te Āhuahanga
1. Ka whakaoti rapanga whaitake: ka kōwhiri, ka whakamahi i te waeine e hāngai ana mō te roa me te horahanga; ka whakamahi i ngā inenga tapa ki te whiriwhiri i te paenga me te horahanga o te tapawhā hāngai; ka mārama ki te whaitakenga o tētahi inenga.

Te Rapanga:
E 64cm te paenga o te hanganga poraka A, e 9 ngā poraka tapawhā rite kei roto.
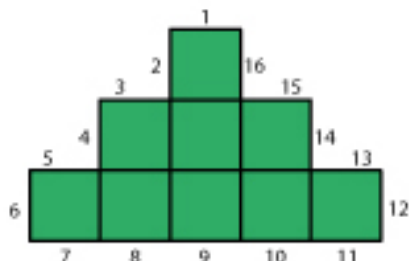

Hei Mahi:
1. Whiriwhiria te paenga o te hanganga poraka E.

   He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):
   - E hia te paenga o te hanganga A? Nō reira me pēhea te whiriwhiri i te roa o ngā tapa o ia tapawhā rite?
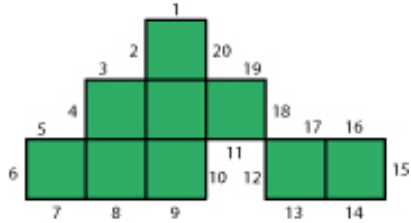   - E hia ngā tapa o ngā tapawhā rite huri āmio i te hanganga poraka E?

   Hei tauira rautaki:
   16 ngā tapa o ngā tapawhā rite huri āmio i te hanganga A:

Nō reira, hei tātai i te roa o ngā tapa o ngā tapawhā rite: 64cm ÷ 16 = 4cm

E 20 ngā tapa o ngā tapawhā rite huri āmio i te hanganga E:

Nō reira, hei tātai i te paenga o te hanganga E: 4cm x 20 = 80cm

2. Tuhia ētahi atu hanganga, e 9 ngā poraka kei roto. Whiriwhiria te paenga o ia hanganga poraka.

   He ture mō te hanganga poraka:
   - E pai ana kia pēnei te noho piri o ētahi poraka e rua:

   - E pai ana kia pēnei te noho piri o ētahi poraka e rua:

   - Kāore e pai ana kia pēnei:

   He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):
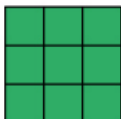   - Koia nei tētahi hanganga o ngā poraka e 9.

   - E hia ngā tapa o ngā tapawhā rite huri āmio i te hanganga? (9 + 9 + 1 + 1 = 20)
   - Nō reira, e hia mitarau (cm) te paenga o te hanganga nei? (4cm x 20 = 80cm)

3. He aha te hanganga o ngā poraka e 9, he iti rawa atu te paenga?
   He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):
   - Ko te whāinga, ko te iti rawa o ngā tapa o ngā tapawhā rite e noho ana ki te paenga o te hanganga. Nō reira kia noho pipiri ngā tapawhā rite.

     E hia ngā tapa o ngā tapawhā rite huri āmio i te paenga o te hanganga? (3 + 3 + 3 + 3 = 12)
     Ko te roa o te paenga o te hanganga = 4cm x 12 = 36cm

4. He aha te hanganga o ngā poraka e 9, he nui rawa atu te paenga?
   He pātai āwhina hei tuku mā te kaiako (ina hiahiatia):

- Ko te whāinga, ko te maha rawa o ngā tapa o ngā tapawhā rite e noho ana ki te paenga o te hanganga. Nō reira me hono ngā kokonga o ngā tapawhā rite.

E hia ngā tapa o ngā tapawhā rite huri āmio i te paenga o te hanganga? (4 x 9 = 36)
Ko te roa o te paenga o te hanganga = 4cm x 36 = 144cm