

# Task: He Mahi Ine A

Approach: Independent  
 Focus: Understanding a variety of measurements  
 Resources: Te puka whakautu  
 Kupu: rōrahi = volume      pūwaenga = midpoint      horahanga = area



## Questions / instructions:

Tuhia he ringa ki ngā karaka kia rite ki te taima o ngā karaka umu.

1. **karaka umu** 24 hāora

2. **karaka umu** 24 hāora

3. **karaka umu** 24 hāora

Tuhia ngā tau ki ngā karaka umu (he karaka 24),  
 kia rite ki te taima o ngā karaka ringa.

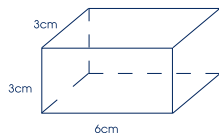
4. Te Ata (a.m.) **karaka umu** 24 hāora  
**karaka umu** 24 hāora

5. Te Ahiahi (p.m.) **karaka umu** 24 hāora  
**karaka umu** 24 hāora

6. Te Pō (p.m.) **karaka umu** 24 hāora  
**karaka umu** 24 hāora

7. He aha te rōrahi o tēnei mataono?

- A 12 cm<sup>3</sup>
- B 36 cm<sup>3</sup>
- C 54 cm<sup>3</sup>**
- D 72 cm<sup>3</sup>



% response

95

79

74

88

2

40

51

42

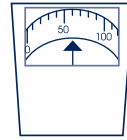
42

19

% response

8. He aha te taumaha e whakaaturia ana ki tēnei āwhata?

- A 6 kg
- B 7 kg
- C 51 kg
- D 60 kg**



D

28

9. E hia henemita (cm) te tawhiti mai i te pūwaenga o MN ki te pūwaenga o OP i te rārangi i raro nei?

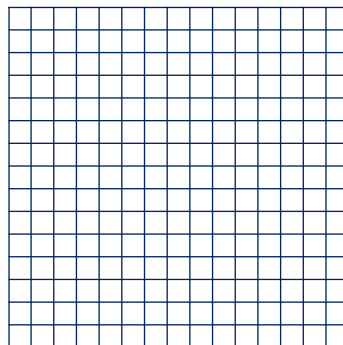


- A 18 cm
- B 24 cm
- C 28 cm
- D 30 cm**
- E 48 cm

D

16

10. Tuhia he tapawhā hāngai ki te tukutuku i raro nei, kia 12 waeine pūrua te horahanga.



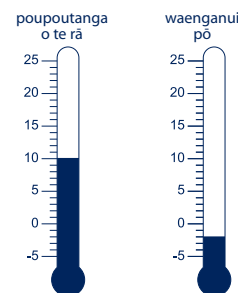
kotahi te waeine pūrua

- 4 by 3
- 6 by 2
- 12 by 1

9  
7  
0

11. 10°C te paemahana i te pouputanga o te rā.  
 -2°C te paemahana i waenganui pō.

E hia te hekenga o te paemahana?



12 or 12<sup>o</sup>

33

## Commentary:

Results from these items show that many students from many schools had difficulty with questions involving 24 hour time, volume, reading a scale, and area.