

Trend Task: Wall Paint

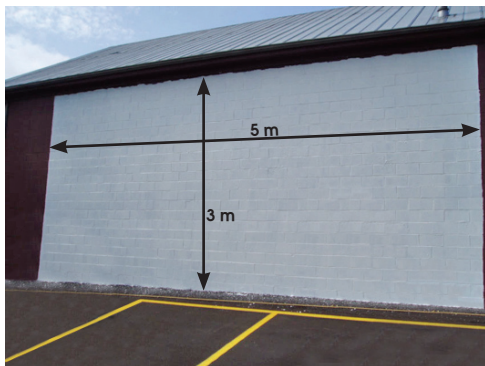
Approach: Independent

Year: 8

Focus: Measuring area

Resources: Answer booklet

Questions / instructions:



Look carefully at the picture. One litre of paint is needed to paint this wall.

- If the wall was 10m by 6m, how much paint would you need?

4 litres (*appropriate units*)

4 (*no units given*)

2 litres (*appropriate units*)

2 (*no units given*)

Total Score: 2

1

0

% response
2009 ('05)

year 8

7 (9)

1 (1)

59 (54)

1 (2)

7 (9)

1 (1)

92 (90)

Subgroup Analyses:

Year 8

Score
Range

Boys



Girls



Pakeha



Māori



Pasifika



Commentary:

Remarkably few of the year 8 students realised that, with both dimensions doubled, the amount of paint required would increase by four times. All subgroups performed similarly poorly.