

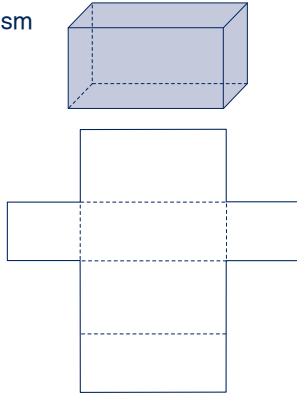
Approach: Independent  
 Focus: Sketching nets for 3D solids  
 Resources: Answer booklet

Year: 8

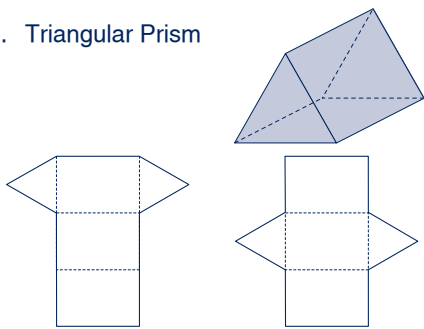
**Questions / instructions:**

Sketch a net for each solid. The first one has been done for you.

Rectangular Prism

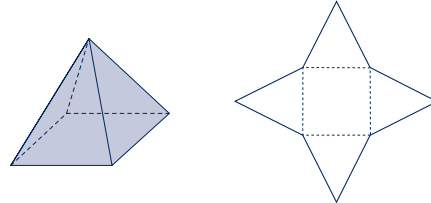


1. Triangular Prism



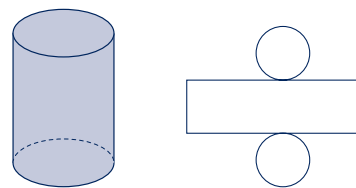
**Triangles:** two one none or more than two  
**Rectangles:** three one or two none or more than three  
**Sketch will fold into appropriate 3-D shape (solid):** yes

2. Square-Based Pyramid



**Triangles:** four one to three none or more than four  
**Squares:** one more than one square none  
**Sketch will fold into appropriate 3-D shape (solid):** yes

3. Cylinder



**Circles:** two one none or more than two circles  
**Rectangles:** one more than one none  
**Sketch will fold into appropriate 3-D shape (solid):** yes

**Total Score:** 15  
 12-14 34 (26)  
 9-11 20 (18)  
 6-8 9 (7)  
 0-5 11 (15)

% response 2009 ('05)  
 year 8

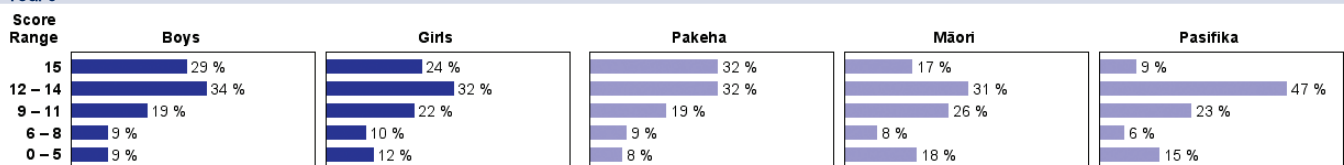
84 (81)  
 1 (5)  
 15 (14)  
 70 (72)  
 14 (15)  
 16 (13)  
 70 (71)

% response 2009 ('05)  
 year 8

89 (87)  
 3 (2)  
 8 (11)  
 86 (82)  
 1 (0)  
 13 (18)  
 84 (80)

**Subgroup Analyses:**

Year 8



**Commentary:**

More than two thirds of students successfully sketched nets for the triangular prism and square-based pyramid, but only one third managed the cylinder successfully. Performance was very similar in 2005 and 2009.