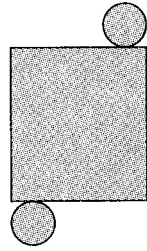


b) Answers may vary. The following is based on a container of 5.5 cm high and 13 cm in diameter (to give a little extra room in the container): 489.84 cm<sup>2</sup>

3. a) 1800 cm<sup>2</sup> b) 54 mm<sup>2</sup>  
 4. 52.99 cm<sup>2</sup>  
 5. a) 505.54 mm<sup>2</sup> b) 469.82 km<sup>2</sup>  
 6. a) 229.8 cm<sup>2</sup>

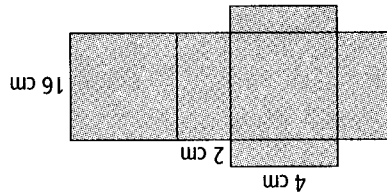


1. a) add, area b) cylinder c) circumference  
 2. Nets may vary. Example:

**5.4 Surface Area of a Cylinder**

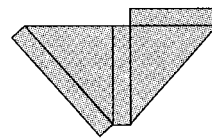
1. face, surface area  
 2. a) 220.6 cm<sup>2</sup> b) 451.2 cm<sup>2</sup>  
 3. a) 120 m<sup>2</sup> b) 140.1 m<sup>2</sup>  
 4. 3.13 m<sup>2</sup>  
 5. 124.5 m<sup>2</sup>  
 6. a) 7.74 m<sup>2</sup> b) \$193.11

**5.3 Surface Area of a Prism**



b) Nets may vary. Example: This box will have extra room around the pencils.

6. a)  $l = 14 \text{ cm}$   $d = 0.7 \text{ cm}$



5. Answers will vary; here is an example:

1. a)  $\frac{1}{3}$  b)  $\frac{6}{5}$  c)  $\frac{10}{7}$   
 2. a)  $\frac{1}{4}$  b)  $\frac{1}{2}$  c)  $\frac{15}{2}$   
 3. a)  $3\frac{5}{4}$  b) 6 c)  $1\frac{1}{5}$  d)  $5\frac{3}{7}$   
 4. a)  $4\frac{8}{3}$  b)  $7\frac{10}{3}$   
 5. a)  $2\frac{1}{6}$  b)  $2\frac{1}{4}$   
 6. a) 1 b) 4

**6 Get Ready**

1. surface area  
 2. cylinder  
 3. prisms  
 5. net

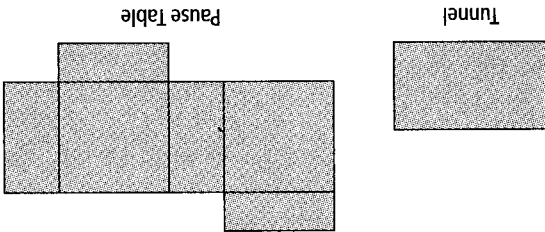
**Down**

4. rectangular prism  
 6. triangular prism

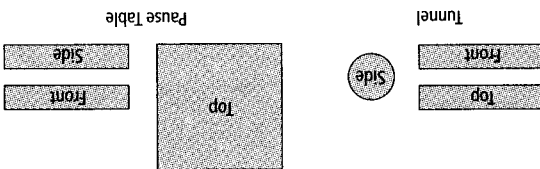
**Across**

**5 Vocabulary Link**

3. Tunnel = 10.36 m<sup>2</sup>, Pause Table = 3.64 m<sup>2</sup>



2. Nets may vary. The net for the tunnel should not show any ends. Example:



**5 Link It Together**

1.