Exercise

Accelerated Math™: Thursday, April 2, 2015 9:36 AM
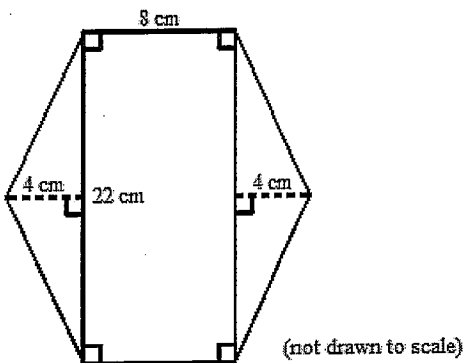
W. Davies
6ThMath
Stikine Middle School　　　　　　　　　　　　　　　　　　**Jade Balansag**
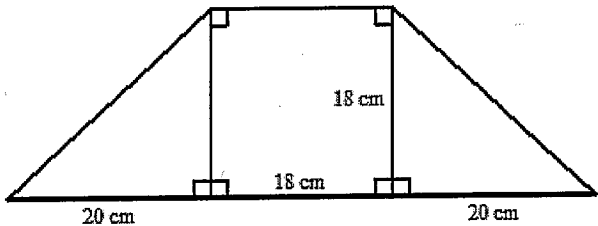
Subskills

95.　Find the area of a polygon composed of triangles and rectangles
104.　Determine a net of a 3-dimensional shape
105.　Determine the surface area of a cube or a rectangular prism given a net
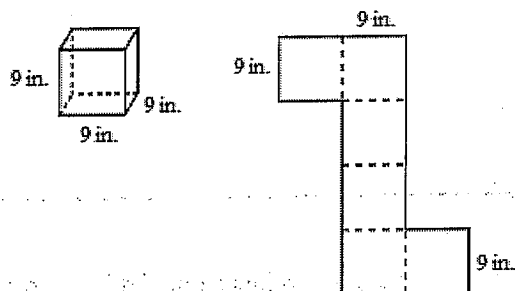
1.　What is the total area of the shape?

(not drawn to scale)

A.　$264 \ cm^2$

B.　$132 \ cm^2$

C.　$352 \ cm^2$

D.　$176 \ cm^2$
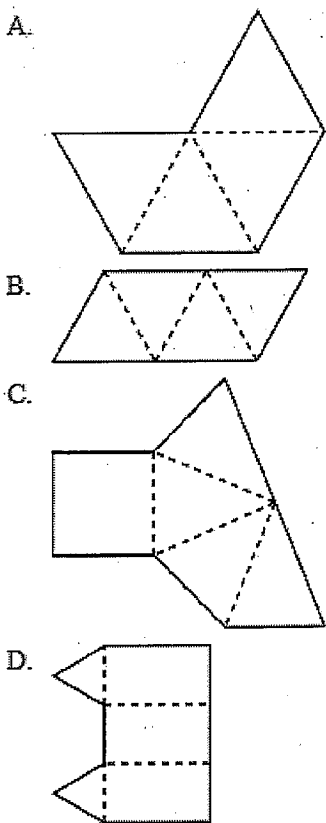
2.　What is the total area of the shape?

A.　$684 \ cm^2$

B.　$674 \ cm^2$

C.　$504 \ cm^2$

D.　$1,044 \ cm^2$

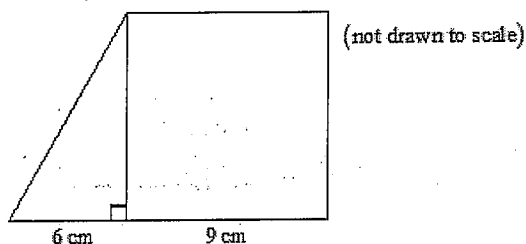3. Use the net to find the surface area of the cube.

A. 243 in^2

B. 216 in^2

C. 486 in^2

D. 729 in^2

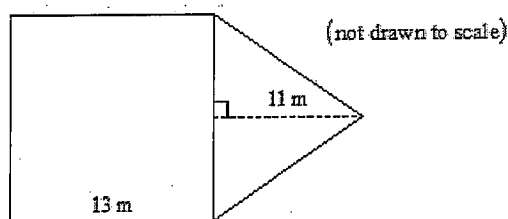4. Which net can be folded to make a triangular-based pyramid?

A.

B.

C.

D.

5. The shape shows a square next to a right triangle. What is the total area of the shape?

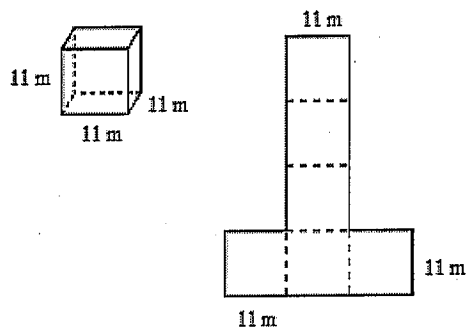(not drawn to scale)

6 cm   9 cm

A. 108 cm^2

B. 135 cm^2

C. 63 cm^2

D. 67.5 cm^2

6. The shape shows a square next to an isosceles triangle. What is the total area of the shape?
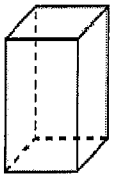
(not drawn to scale)

11 m

13 m

A. 240.5 m^2

B. 312 m^2

C. 123.5 m^2

D. 156 m^2

7. Use the net to find the surface area of the cube.

11 m

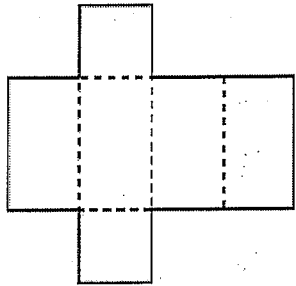11 m   11 m
11 m

11 m

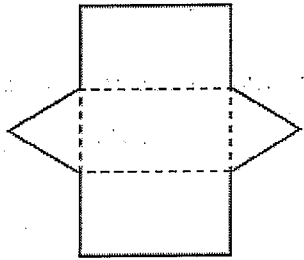11 m

11 m

A. 1,331 m^2

B. 264 m^2

C. 666 m^2

D. 726 m^2

8. Which net can be folded to make this rectangular prism?

A.

B.
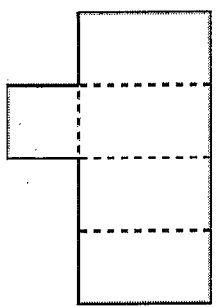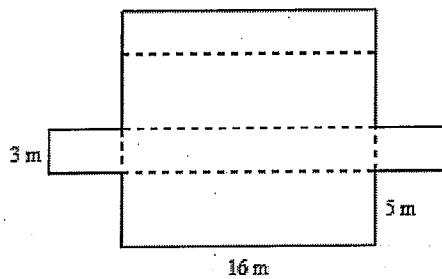
C.
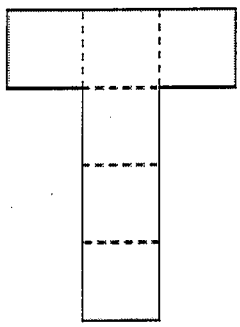
D.

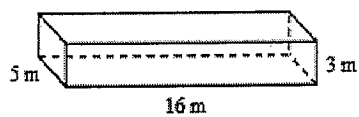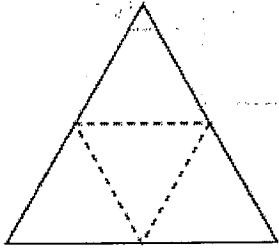**9.** Use the net to find the surface area of the rectangular prism.

A. 572 m^2
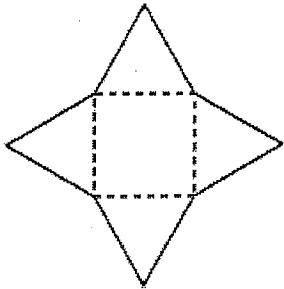
B. 240 m^2

C. 286 m^2

D. 143 m^2

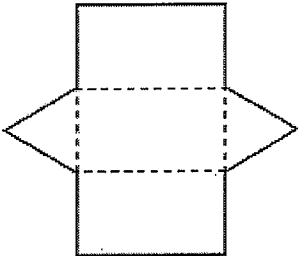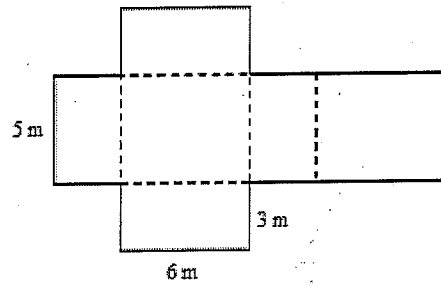10. Which net can be folded to make this cube?
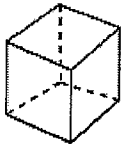
A.

B.

C.
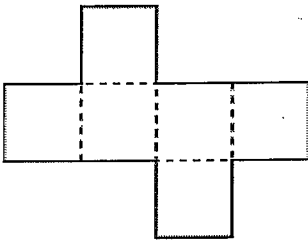
D.

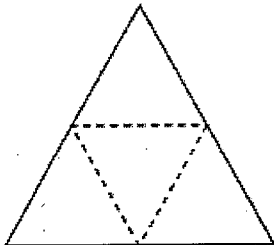11. Use the net to find the surface area of the rectangular prism.
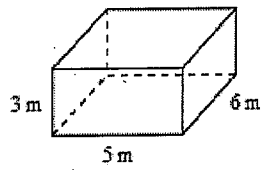
A. 252 m^2

B. 63 m^2

C. 90 m^2

D. 126 m^2

12. Which net can be folded to make a square-based pyramid?

A.

B.

C.

D.