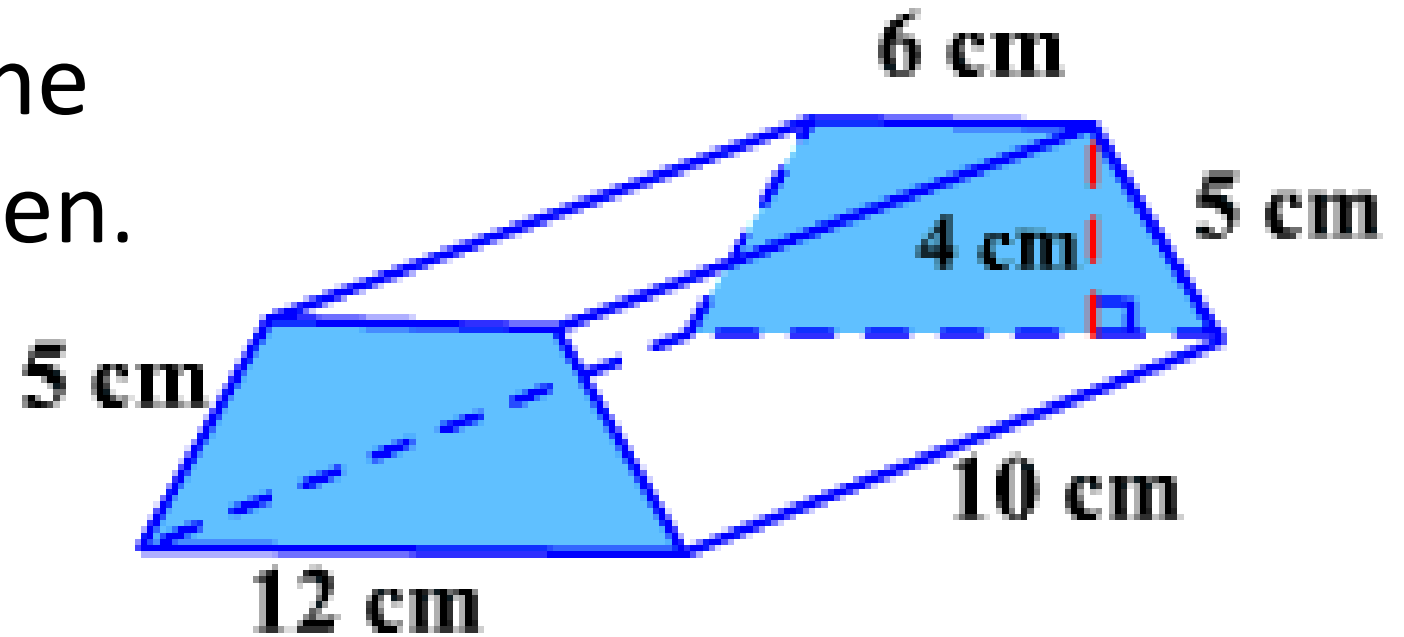


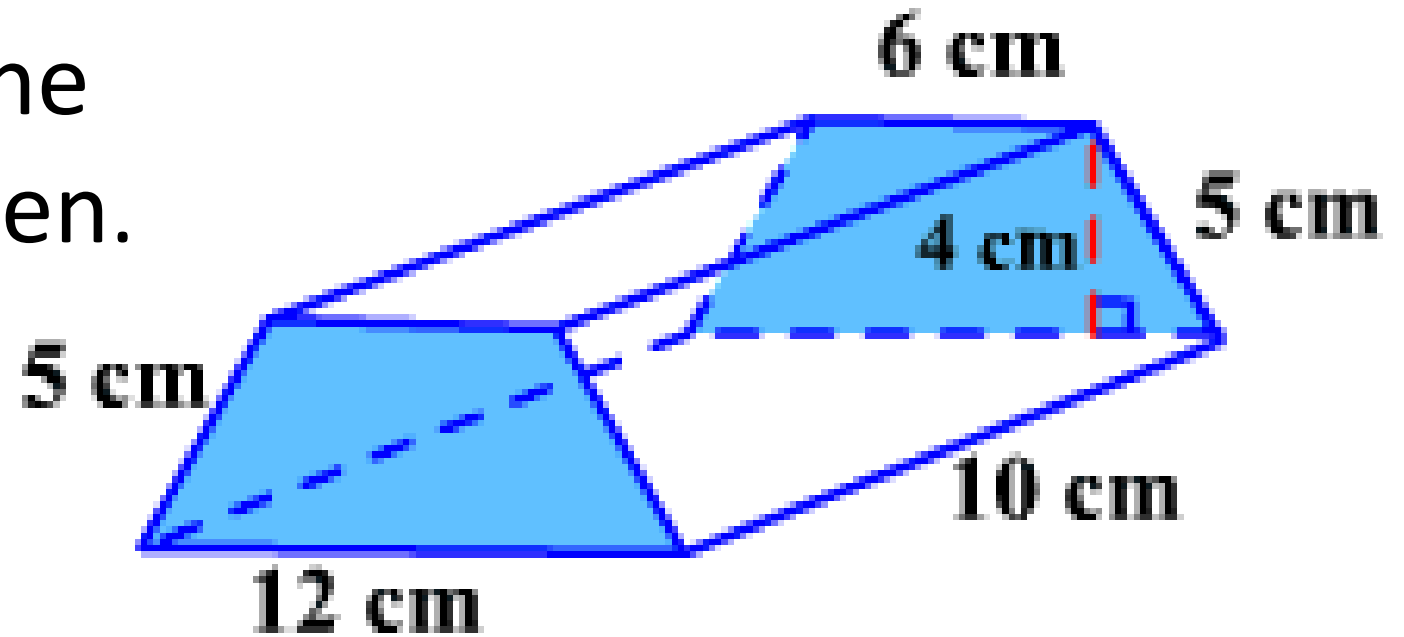
Find the surface area of the prism assuming the top of the prism is open.



Flip the prism over and imagine it a trough that holds animal feed. How much feed would be needed to fill the trough?

Find the surface area of the prism assuming the top of the prism is open.

292 square cm



Flip the prism over and imagine it a trough that holds animal feed. How much feed would be needed to fill the trough?

360 cubic cm

Scott plots a triangle at the points  $(2, 7)$ ,  $(2, 10)$ , and  $(4, 7)$ . He rotates the triangle about the line  $x=2$ . What 3D shape is formed?

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Cone

An engineer is designing a cylindrical piece of metal that has a diameter of 40 cm and a height of 7.5 cm. A cone is hollowed out from the middle of the piece. If the base of the cone is the base of the cylinder and the height of both shapes are the same, how much metal is left over after you hollow out the cone?

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6283.19 cubic cm

The height of a pyramid is measured at 24cm. The square base of the pyramid has a side length of 20 cm. Use this information to find the...

- a. Lateral area of the pyramid
- b. The length of the lateral edge
- c. If the pyramid was used as an ice cream “cone” dipped in chocolate, about how much chocolate would be needed to cover the outside of the cone?

The height of a pyramid is measured at 24cm. The square base of the pyramid has a side length of 20 cm. Use this information to find the...

a. Lateral area of the pyramid

1040 square cm

b. The length of the lateral edge

27.86 cm

c. If the pyramid was used as an ice cream “cone” dipped in chocolate, about how much chocolate would be needed to cover the outside of the cone?

1040 square cm