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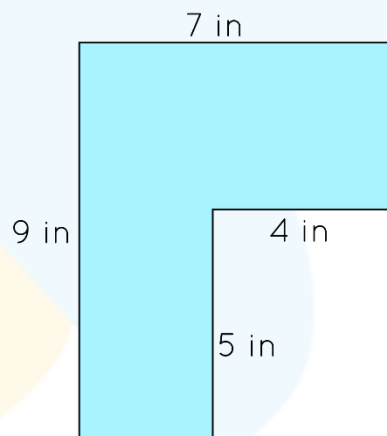
Area of Composite Figures Worksheets

1) The submission of all faces areas, of a 3-d object, is called the surface area.

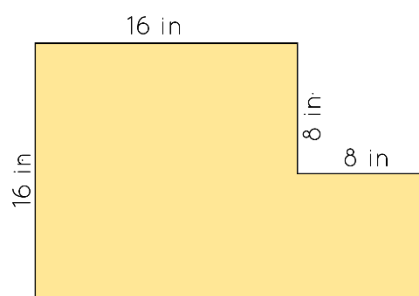
- a) True
- b) False

2) State whether true or false:

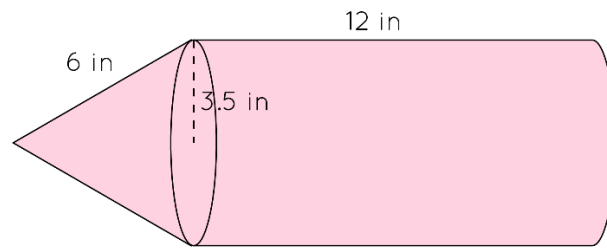
The surface area of the given composite shape is equal to 43in^2



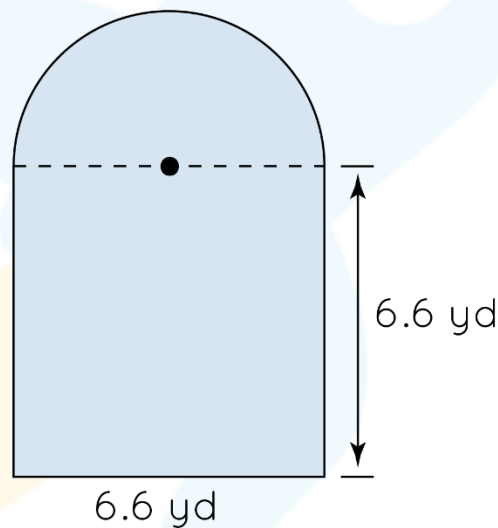
3) John constructed a garden of the following given shape and dimensions in his backyard. Calculate its surface area.



- 4) Determine the surface area of the following composite shape.

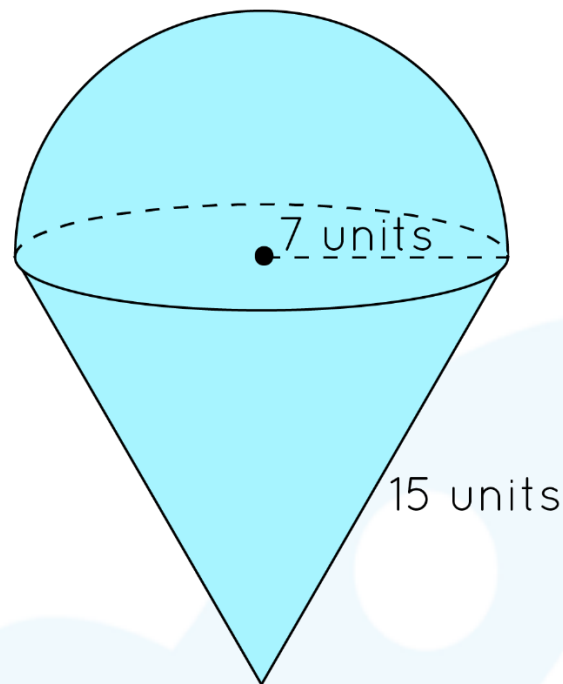


- 5) Noah constructs a swimming pool in his backyard. The shape and dimension of the pool in 2-d is given in the following figure. Calculate the surface area of the water surface.



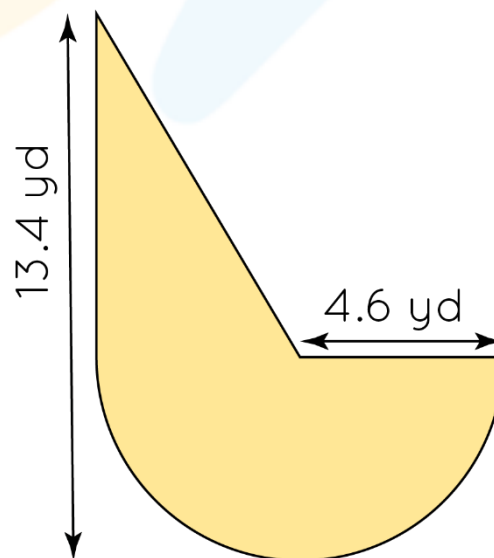
- 6) State whether true or false:
The surface area of a rhombus having each side of 5 units is equal to the square of its side length.

7) Choose the correct option for the surface area of the given shape.

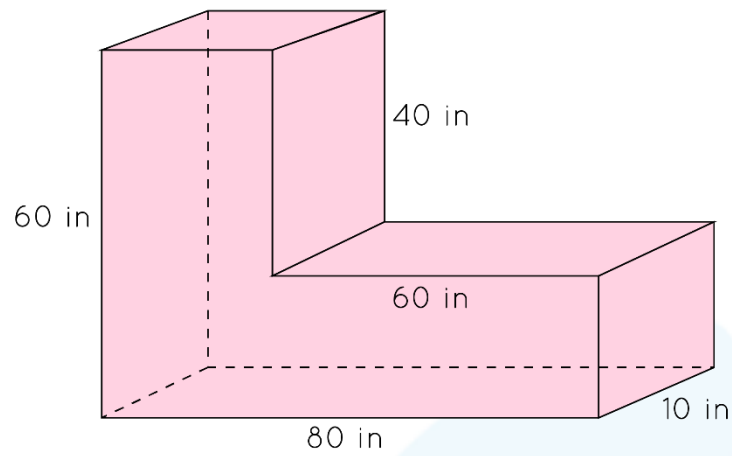


- a) 637.42 sq. units
- b) 367.42 sq. units
- c) 367.42 sq. units
- d) 673.42 sq. units

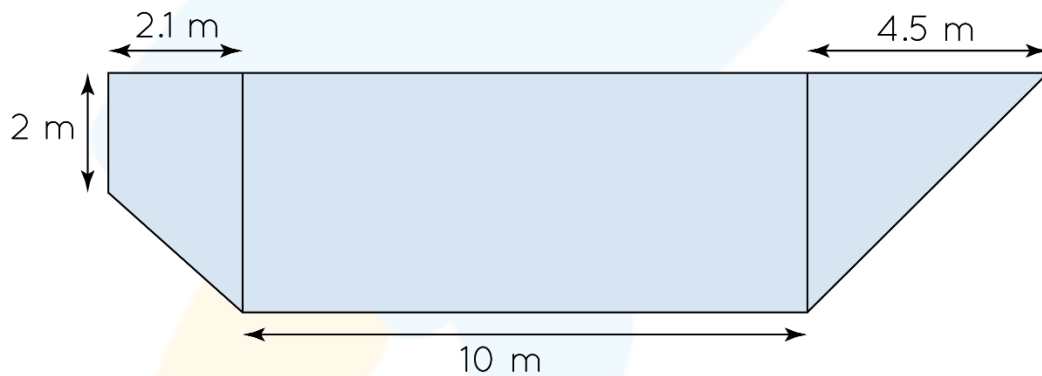
8) Find the surface area of the shaded region in square units



9) Find the surface area of a 3d figure given below:



10) The cross-section of a river is given below. Calculate the surface area, considering the comprising shapes to be trapezium, rectangle, and triangle.



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- Barbara Cabrera

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**ANSWERS**

1)	3 cm
2)	True
3)	$320in^2$
4)	$302.86 in^2$
5)	$60.66 yd^2$
6)	True

7)	a) 637.42 sq. units
8)	53.46 yd^2
9)	7600 in^2
10)	55.3 m^2

FUN FACT

1. In the 7th century CE, Brahmagupta developed a formula, now known as Brahmagupta's formula, for the area of a cyclic [quadrilateral](#)
2. The formula to calculate the area of a [triangle](#) using half base height formula was given by the Indian mathematician Aryabhata in 499.

