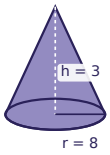
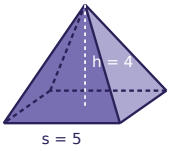
Cross Sections of 3D Figures · 1

A plane slices the cone perpendicular to its base, through its tip. What shape is the cross section? (circle, triangle, square, or rectangle)



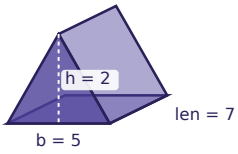
Cross Sections of 3D Figures · 2

A plane slices the square pyramid perpendicular to its base, through its tip. What shape is the cross section? (circle, triangle, square, or rectangle)



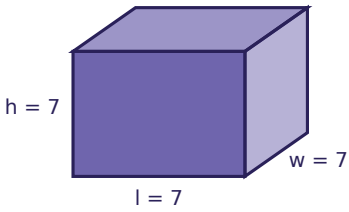
Cross Sections of 3D Figures · 3

A plane slices the triangular prism parallel to its triangular faces. What shape is the cross section? (circle, triangle, square, or rectangle)



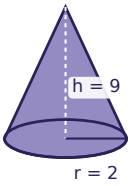
Cross Sections of 3D Figures · 4

A plane slices the cube parallel to one of its faces. What shape is the cross section? (circle, triangle, square, or rectangle)



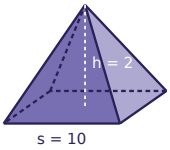
Cross Sections of 3D Figures · 5

A plane slices the cone parallel to its base. What shape is the cross section? (circle, triangle, square, or rectangle)



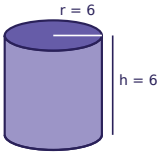
Cross Sections of 3D Figures · 6

A plane slices the square pyramid perpendicular to its base, through its tip, parallel to one side of the base. What is the area of the cross section in square units?



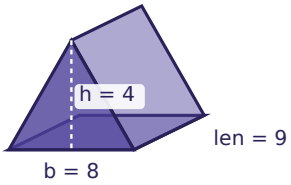
Cross Sections of 3D Figures · 7

A plane slices the cylinder perpendicular to its base, through the center of the base. What is the area of the cross section in square units?



Cross Sections of 3D Figures · 8

A plane slices the triangular prism parallel to its triangular faces. What is the area of the cross section in square units?



Cross Sections of 3D Figures · 2

ANSWER

Triangle

Cross Sections of 3D Figures · 1

ANSWER

Triangle

Cross Sections of 3D Figures · 4

ANSWER

Square

Cross Sections of 3D Figures · 3

ANSWER

Triangle

Cross Sections of 3D Figures · 6

ANSWER

10

Cross Sections of 3D Figures · 5

ANSWER

Circle

Cross Sections of 3D Figures · 8

ANSWER

16

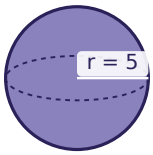
Cross Sections of 3D Figures · 7

ANSWER

72

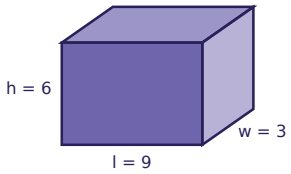
Cross Sections of 3D Figures · 9

A plane slices the sphere through its center. What shape is the cross section? (circle, triangle, square, or rectangle)



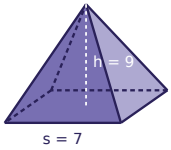
Cross Sections of 3D Figures · 10

A plane slices the rectangular prism perpendicular to its base, parallel to the front face. What shape is the cross section? (circle, triangle, square, or rectangle)



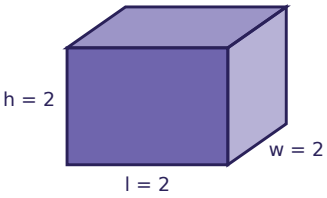
Cross Sections of 3D Figures · 11

A plane slices the square pyramid perpendicular to its base, through its tip. What shape is the cross section? (circle, triangle, square, or rectangle)



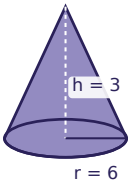
Cross Sections of 3D Figures · 12

A plane slices the cube parallel to its top face. What is the area of the cross section in square units?



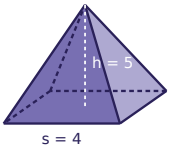
Cross Sections of 3D Figures · 13

A plane slices the cone perpendicular to its base, through its tip. What is the area of the cross section in square units?



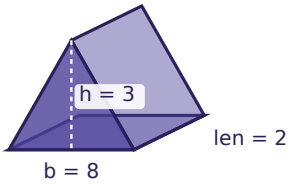
Cross Sections of 3D Figures · 14

A plane slices the square pyramid perpendicular to its base, through its tip, parallel to one side of the base. What is the area of the cross section in square units?



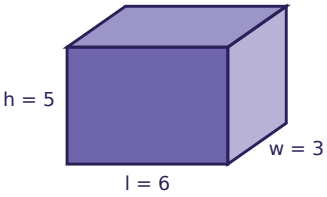
Cross Sections of 3D Figures · 15

A plane slices the triangular prism parallel to its triangular faces. What is the area of the cross section in square units?



Cross Sections of 3D Figures · 16

A plane slices the rectangular prism parallel to its base. What is the area of the cross section in square units?



Cross Sections of 3D Figures · 10

ANSWER

Rectangle

Cross Sections of 3D Figures · 9

ANSWER

Circle

Cross Sections of 3D Figures · 12

ANSWER

4

Cross Sections of 3D Figures · 11

ANSWER

Triangle

Cross Sections of 3D Figures · 14

ANSWER

10

Cross Sections of 3D Figures · 13

ANSWER

18

Cross Sections of 3D Figures · 16

ANSWER

18

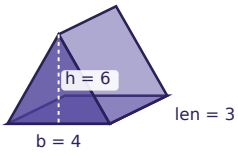
Cross Sections of 3D Figures · 15

ANSWER

12

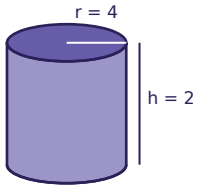
Cross Sections of 3D Figures · 17

A plane slices the triangular prism parallel to its triangular faces. What shape is the cross section? (circle, triangle, square, or rectangle)



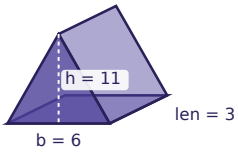
Cross Sections of 3D Figures · 18

A plane slices the cylinder parallel to its base. What shape is the cross section? (circle, triangle, square, or rectangle)



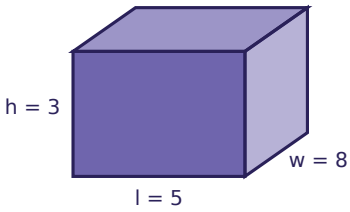
Cross Sections of 3D Figures · 19

A plane slices the triangular prism parallel to its rectangular bottom face. What shape is the cross section? (circle, triangle, square, or rectangle)



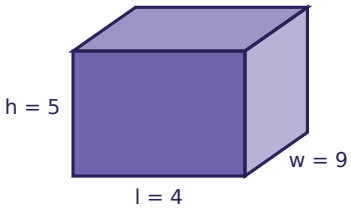
Cross Sections of 3D Figures · 20

A plane slices the rectangular prism parallel to the front face. What is the area of the cross section in square units?



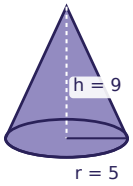
Cross Sections of 3D Figures · 21

A plane slices the rectangular prism parallel to the right side face. What is the area of the cross section in square units?



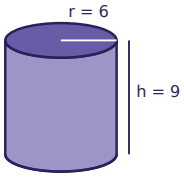
Cross Sections of 3D Figures · 22

A plane slices the cone perpendicular to its base, through its tip. What is the area of the cross section in square units?



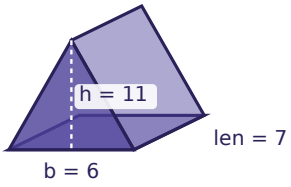
Cross Sections of 3D Figures · 23

A plane slices the cylinder parallel to its base. What is the area of the cross section in square units?



Cross Sections of 3D Figures · 24

A plane slices the triangular prism parallel to its triangular faces. What is the area of the cross section in square units?



Cross Sections of 3D Figures · 18

ANSWER

Circle

Cross Sections of 3D Figures · 17

ANSWER

Triangle

Cross Sections of 3D Figures · 20

ANSWER

15

Cross Sections of 3D Figures · 19

ANSWER

Rectangle

Cross Sections of 3D Figures · 22

ANSWER

45

Cross Sections of 3D Figures · 21

ANSWER

45

Cross Sections of 3D Figures · 24

ANSWER

33

Cross Sections of 3D Figures · 23

ANSWER

113