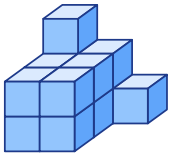
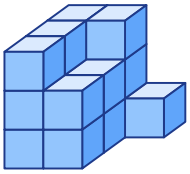
Surface Area of Shapes Made of Cubes · 1

How many squares do you see if you look at the solid straight from the right?



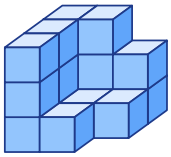
Surface Area of Shapes Made of Cubes · 2

You can't see the bottom of the solid in the picture. How many squares would you see from the bottom?



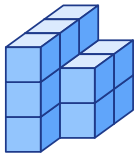
Surface Area of Shapes Made of Cubes · 3

Each cube is 1 ft on a side. Find the surface area of the solid in square feet.



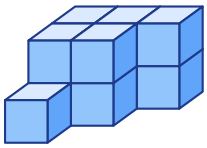
Surface Area of Shapes Made of Cubes · 4

Each cube is 1 cm on a side. Find the surface area of the solid in square centimeters.



Surface Area of Shapes Made of Cubes · 5

The solid is made of 11 cubes, and each cube has 6 faces. How many of those faces are hidden because they are glued to another cube?

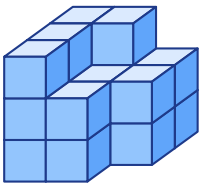


Surface Area of Shapes Made of Cubes · 6

Zoe glues cubes into a solid box 4 cubes long, 2 cubes wide and 2 cubes tall. Each cube is 1 ft on a side. What is the surface area of the shape, in square feet?

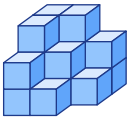
Surface Area of Shapes Made of Cubes · 7

The solid is dipped in paint so that every outside square gets painted, even the bottom. How many small squares get paint?



Surface Area of Shapes Made of Cubes · 8

Each cube is 1 ft on a side. Kai counted only the squares you can see in the picture (top, front and right) and said the surface area is 24 square feet. What is the correct surface area, in square feet?



Surface Area of Shapes Made of Cubes · 2

ANSWER

7

Surface Area of Shapes Made of Cubes · 1

ANSWER

7

Surface Area of Shapes Made of Cubes · 4

ANSWER

38

Surface Area of Shapes Made of Cubes · 3

ANSWER

50

Surface Area of Shapes Made of Cubes · 6

ANSWER

40

Surface Area of Shapes Made of Cubes · 5

ANSWER

32

Surface Area of Shapes Made of Cubes · 8

ANSWER

48

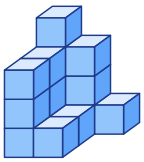
Surface Area of Shapes Made of Cubes · 7

ANSWER

50

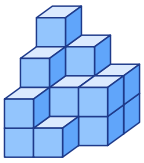
Surface Area of Shapes Made of Cubes · 9

How many squares do you see if you look at the solid straight from the right?



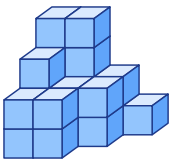
Surface Area of Shapes Made of Cubes · 10

You can't see the left of the solid in the picture. How many squares would you see from the left?



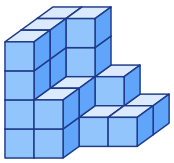
Surface Area of Shapes Made of Cubes · 11

Each cube is 1 m on a side. Find the surface area of the solid in square meters.



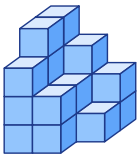
Surface Area of Shapes Made of Cubes · 12

Each cube is 1 in on a side. Find the surface area of the solid in square inches.



Surface Area of Shapes Made of Cubes · 13

The solid is made of 21 cubes, and each cube has 6 faces. How many of those faces are hidden because they are glued to another cube?

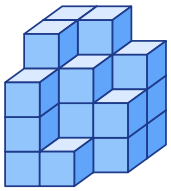


Surface Area of Shapes Made of Cubes · 14

Lily glues cubes into a solid box 10 cubes long, 2 cubes wide and 2 cubes tall. Each cube is 1 in on a side. What is the surface area of the shape, in square inches?

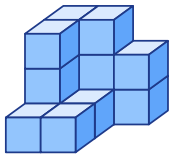
Surface Area of Shapes Made of Cubes · 15

The solid is dipped in paint so that every outside square gets painted, even the bottom. How many small squares get paint?



Surface Area of Shapes Made of Cubes · 16

How many squares do you see if you look at the solid straight from the top?



Surface Area of Shapes Made of Cubes · 10

ANSWER

9

Surface Area of Shapes Made of Cubes · 9

ANSWER

10

Surface Area of Shapes Made of Cubes · 12

ANSWER

66

Surface Area of Shapes Made of Cubes · 11

ANSWER

58

Surface Area of Shapes Made of Cubes · 14

ANSWER

88

Surface Area of Shapes Made of Cubes · 13

ANSWER

70

Surface Area of Shapes Made of Cubes · 16

ANSWER

7

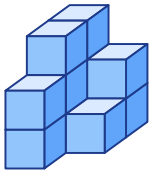
Surface Area of Shapes Made of Cubes · 15

ANSWER

60

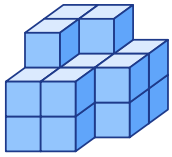
Surface Area of Shapes Made of Cubes · 17

You can't see the bottom of the solid in the picture. How many squares would you see from the bottom?



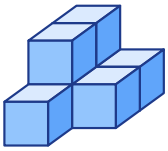
Surface Area of Shapes Made of Cubes · 18

Each cube is 1 m on a side. Find the surface area of the solid in square meters.



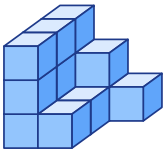
Surface Area of Shapes Made of Cubes · 19

Each cube is 1 m on a side. Find the surface area of the solid in square meters.



Surface Area of Shapes Made of Cubes · 20

The solid is made of 14 cubes, and each cube has 6 faces. How many of those faces are hidden because they are glued to another cube?

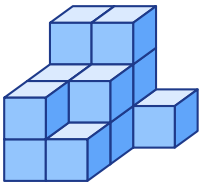


Surface Area of Shapes Made of Cubes · 21

Zoe glues cubes into a solid box 6 cubes long, 4 cubes wide and 2 cubes tall. Each cube is 1 m on a side. What is the surface area of the shape, in square meters?

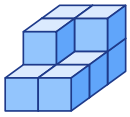
Surface Area of Shapes Made of Cubes · 22

The solid is dipped in paint so that every outside square gets painted, even the bottom. How many small squares get paint?



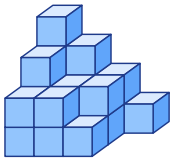
Surface Area of Shapes Made of Cubes · 23

Each cube is 1 in on a side. Ben counted only the squares you can see in the picture (top, front and right) and said the surface area is 15 square inches. What is the correct surface area, in square inches?



Surface Area of Shapes Made of Cubes · 24

How many squares do you see if you look at the solid straight from the front?



Surface Area of Shapes Made of Cubes · 18

ANSWER

48

Surface Area of Shapes Made of Cubes · 17

ANSWER

5

Surface Area of Shapes Made of Cubes · 20

ANSWER

40

Surface Area of Shapes Made of Cubes · 19

ANSWER

26

Surface Area of Shapes Made of Cubes · 22

ANSWER

42

Surface Area of Shapes Made of Cubes · 21

ANSWER

88

Surface Area of Shapes Made of Cubes · 24

ANSWER

10

Surface Area of Shapes Made of Cubes · 23

ANSWER

30