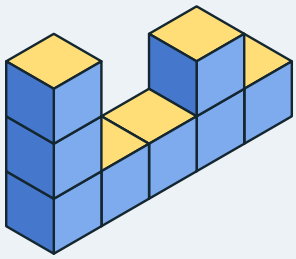
Cube Stacks

Kindergarten | 2026-11-07 | Worksheet

An adult can read this aloud. Each picture is a wall of cubes standing in one row. Touch each cube as you count it, then circle the number.

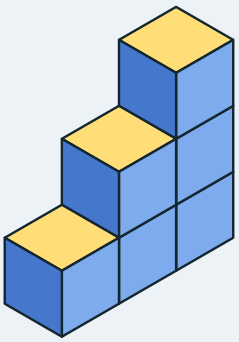
Count the cubes in each wall and circle the right number.

1



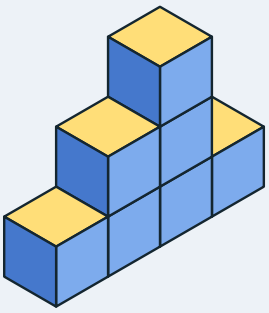
A 6 B 8 C 12

2



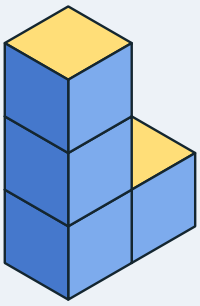
A 4 B 6 C 9

3



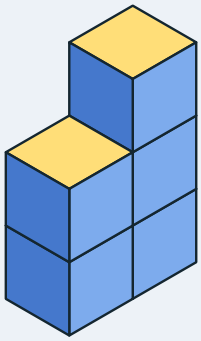
A 7 B 4 C 11

4



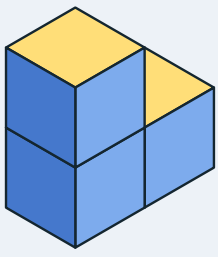
A 4 B 3 C 2

5



A 2 B 5 C 8

6



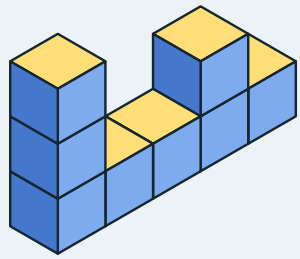
A 7 B 4 C 3

Cube Stacks

Kindergarten | 2026-11-07 | Answer key

The ring marks the right number of cubes.

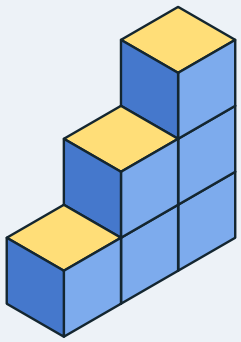
1



A 6 **B 8** C 12

3 + 1 + 1 + 2 + 1 = 8

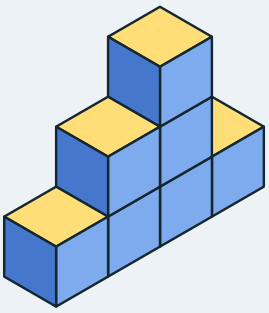
2



A 4 **B 6** C 9

1 + 2 + 3 = 6

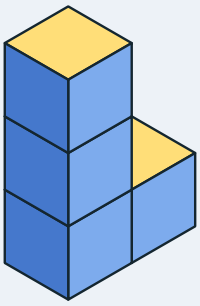
3



A 7 B 4 C 11

1 + 2 + 3 + 1 = 7

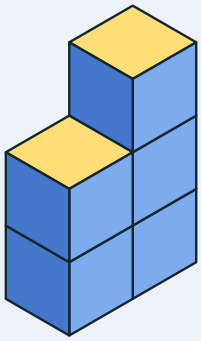
4



A 4 B 3 C 2

3 + 1 = 4

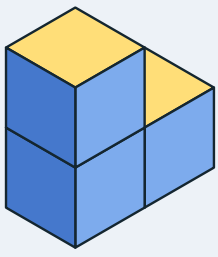
5



A 2 **B 5** C 8

2 + 3 = 5

6



A 7 B 4 **C 3**

2 + 1 = 3

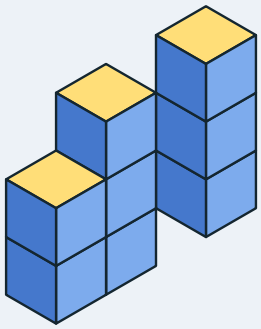
Cube Stacks

Grade 1 | 2026-11-07 | Worksheet

Every cube sits on the table or on another cube; no cube floats. Some cubes are hidden behind or under others, but the drawing still shows exactly how the solid is built. Look carefully, count in an order you choose and circle one answer for each puzzle.

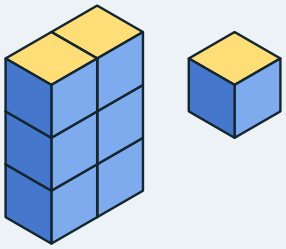
Count all the cubes, also in towers that stand apart. Circle the right number.

1



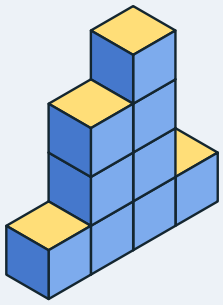
A 8 B 9 C 7

2



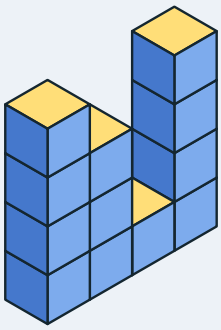
A 7 B 10 C 4

3



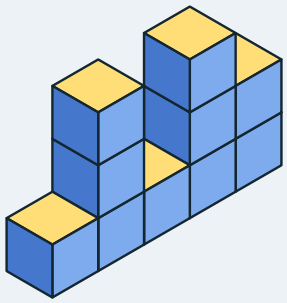
A 9 B 6 C 7

4



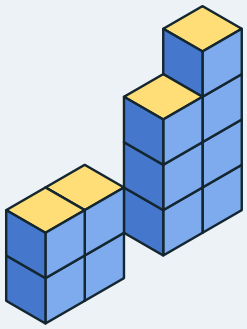
A 15 B 10 C 12

5



A 8 B 11 C 10

6



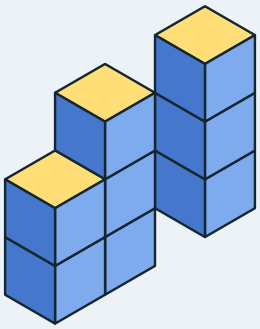
A 10 B 11 C 12

Cube Stacks

Grade 1 | 2026-11-07 | Answer key

The ring marks the answer. The working adds the height of every tower.

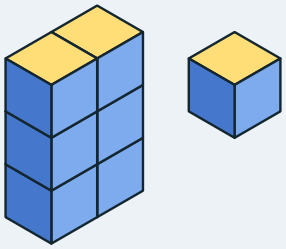
1



A 8 B 9 C 7

2 + 3 + 3 = 8

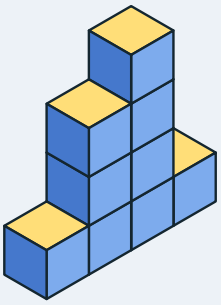
2



A 7 B 10 C 4

3 + 3 + 1 = 7

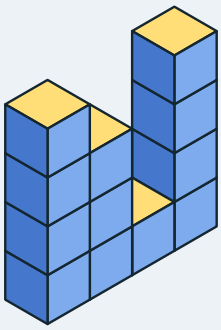
3



A 9 B 6 C 7

1 + 3 + 4 + 1 = 9

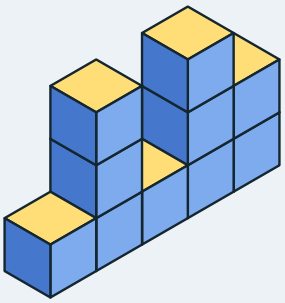
4



A 15 B 10 **C 12**

4 + 3 + 1 + 4 = 12

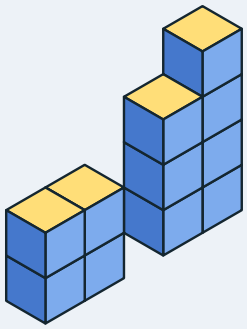
5



A 8 B 11 **C 10**

1 + 3 + 1 + 3 + 2 = 10

6



A 10 **B 11** C 12

2 + 2 + 3 + 4 = 11

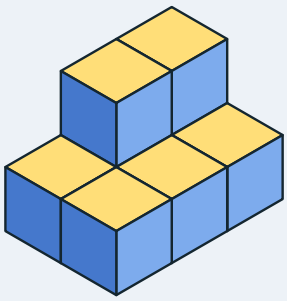
Cube Stacks

Grade 2 | 2026-11-07 | Worksheet

Every cube sits on the table or on another cube; no cube floats. Some cubes are hidden behind or under others, but the drawing still shows exactly how the solid is built. Look carefully, count in an order you choose and circle one answer for each puzzle.

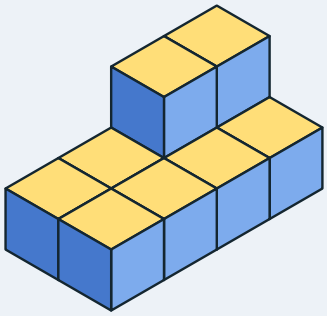
Count every cube, including the ones hidden under the cubes on top. Circle the right number.

1



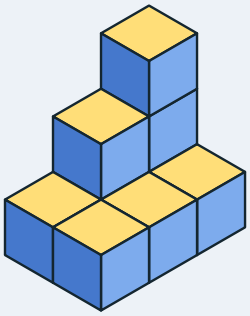
A 8 B 10 C 5 D 9

2



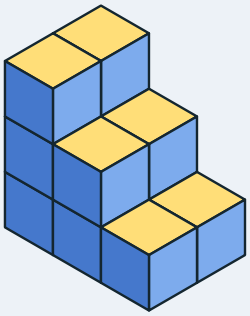
A 7 B 10 C 9 D 14

3



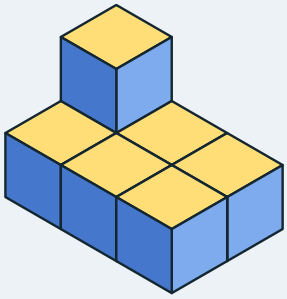
A 8 B 9 C 13 D 10

4



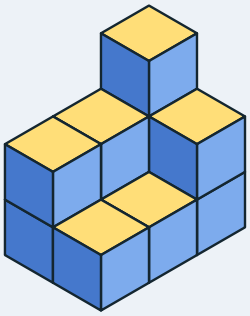
A 16 B 14 C 12 D 9

5



A 9 B 4 C 7 D 6

6



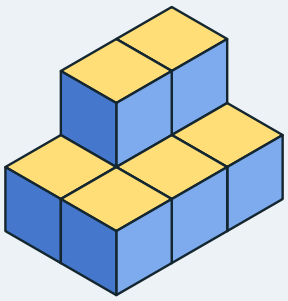
A 9 B 8 C 11 D 14

Cube Stacks

Grade 2 | 2026-11-07 | Answer key

The ring marks the answer. The working adds the height of every stack, hidden cubes included.

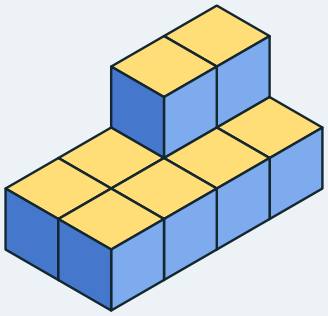
1



A 8 B 10 C 5 D 9

1 + 1 + 1 + 1 + 2 + 2 = 8

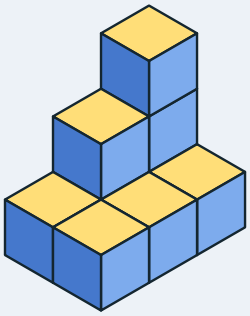
2



A 7 **B 10** C 9 D 14

1 + 1 + 1 + 1 + 1 + 1 + 2 + 2 = 10

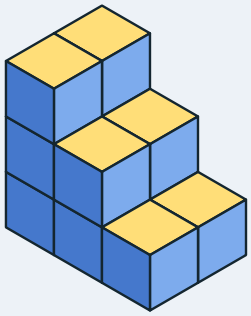
3



A 8 **B 9** C 13 D 10

1 + 1 + 1 + 1 + 2 + 3 = 9

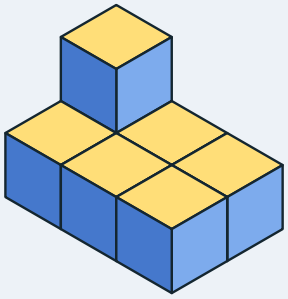
4



A 16 B 14 **C 12** D 9

1 + 1 + 2 + 2 + 3 + 3 = 12

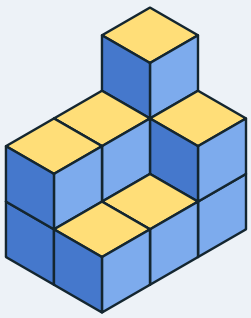
5



A 9 B 4 **C 7** D 6

1 + 1 + 1 + 1 + 1 + 2 = 7

6



A 9 B 8 **C 11** D 14

1 + 1 + 2 + 2 + 2 + 3 = 11

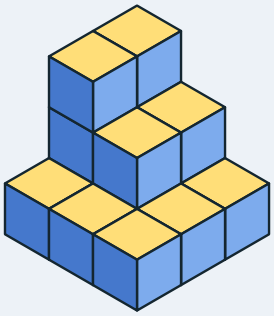
Cube Stacks

Grade 3 | 2026-11-07 | Worksheet

Every cube sits on the table or on another cube; no cube floats. Some cubes are hidden behind or under others, but the drawing still shows exactly how the solid is built. Look carefully, count in an order you choose and circle one answer for each puzzle.

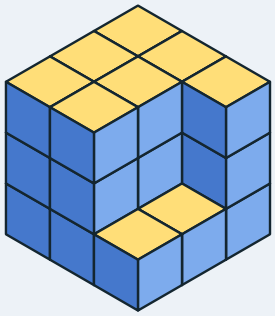
These solids are bigger. Count stack by stack: how many cubes tall is each stack? Add them up and circle the total.

1



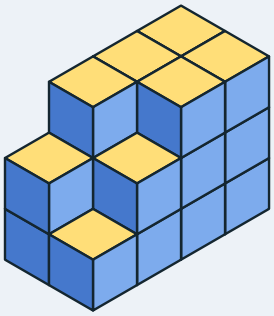
A 14 B 15 C 18 D 12

2



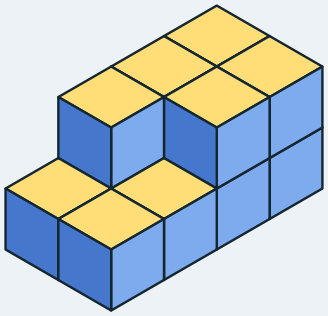
A 26 B 23 C 22 D 21

3



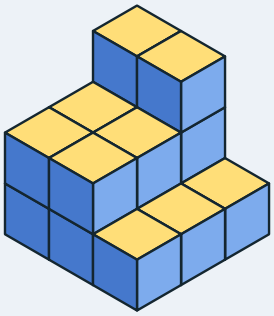
A 21 B 20 C 17 D 22

4



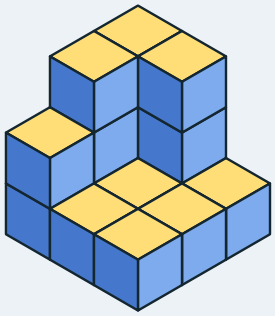
A 11 B 10 C 17 D 13

5



A 21 B 18 C 17 D 16

6



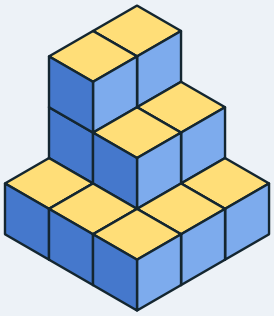
A 14 B 16 C 19 D 15

Cube Stacks

Grade 3 | 2026-11-07 | Answer key

The ring marks the answer. The working adds the height of every stack, row by row from the front.

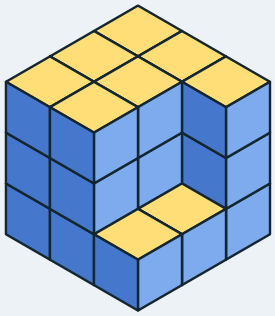
1



A 14 **B 15** C 18 D 12

1 + 1 + 1 + 1 + 2 + 2 + 1 + 3 + 3 = 15

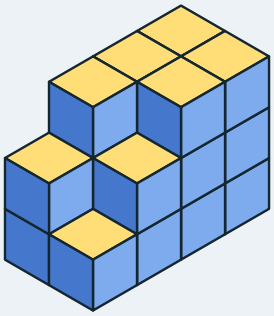
2



A 26 **B 23** C 22 D 21

1 + 1 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 23

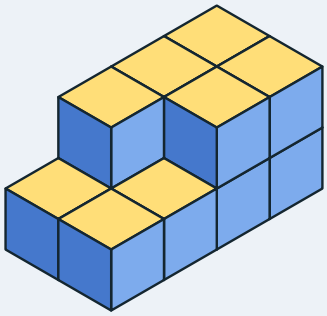
3



A 21 **B 20** C 17 D 22

1 + 2 + 3 + 3 + 2 + 3 + 3 + 3 = 20

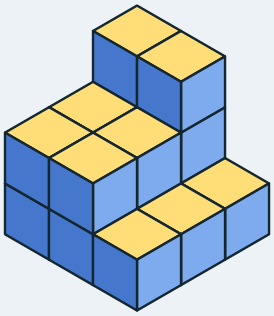
4



A 11 B 10 C 17 **D 13**

1 + 1 + 2 + 2 + 1 + 2 + 2 + 2 = 13

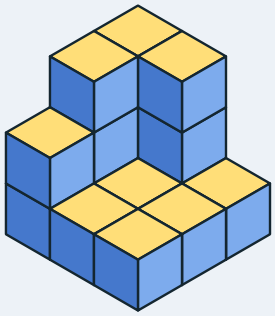
5



A 21 B 18 **C 17** D 16

1 + 1 + 1 + 2 + 2 + 3 + 2 + 2 + 3 = 17

6



A 14 **B 16** C 19 D 15

1 + 1 + 1 + 1 + 1 + 3 + 2 + 3 + 3 = 16

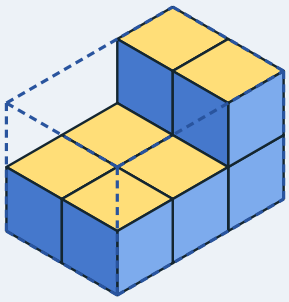
Cube Stacks

Grade 4 | 2026-11-07 | Worksheet

Every cube sits on the table or on another cube; no cube floats. Some cubes are hidden behind or under others, but the drawing still shows exactly how the solid is built. Look carefully, count in an order you choose and circle one answer for each puzzle.

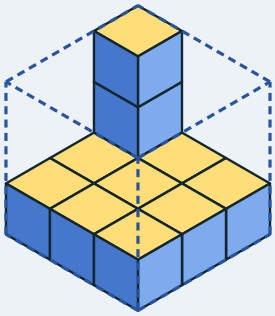
The dashed box is a full block of cubes; its size is written in the corner. How many more cubes are needed to fill the box completely?

1 3 × 2 × 2



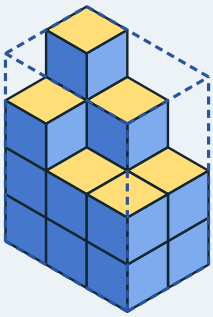
A 5 B 3 C 2 D 4

2 3 × 3 × 3



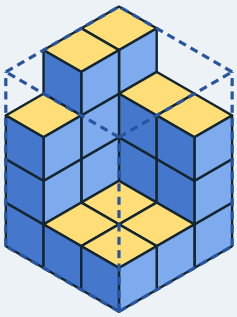
A 18 B 19 C 16 D 20

3 2 × 3 × 4



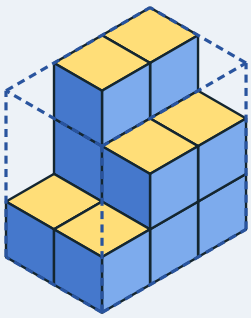
A 9 B 8 C 6 D 12

4 3 × 3 × 4



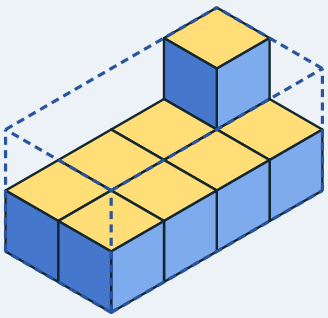
A 14 B 17 C 15 D 12

5 3 × 2 × 3



A 6 B 5 C 4 D 7

6 4 × 2 × 2



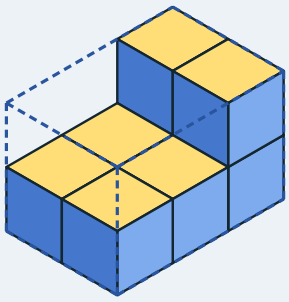
A 9 B 8 C 7 D 6

Cube Stacks

Grade 4 | 2026-11-07 | Answer key

The ring marks the answer: the cubes of the full box minus the cubes already there.

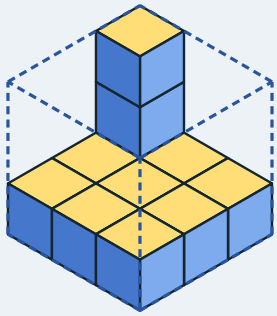
1 3 × 2 × 2



A 5 B 3 C 2 **D 4**

3 × 2 × 2 = 12, 12 − 8 = 4

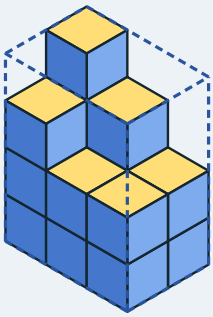
2 3 × 3 × 3



A 18 B 19 **C 16** D 20

3 × 3 × 3 = 27, 27 − 11 = 16

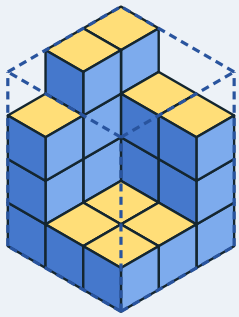
3 2 × 3 × 4



A 9 **B 8** C 6 D 12

2 × 3 × 4 = 24, 24 − 16 = 8

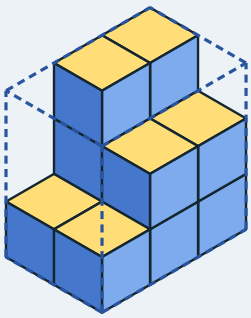
4 3 × 3 × 4



A 14 B 17 **C 15** D 12

3 × 3 × 4 = 36, 36 − 21 = 15

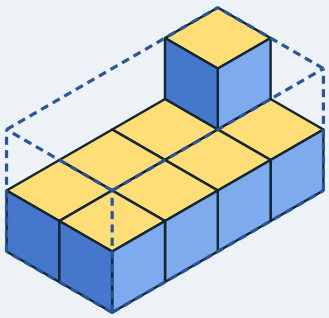
5 3 × 2 × 3



A 6 B 5 C 4 D 7

3 × 2 × 3 = 18, 18 − 12 = 6

6 4 × 2 × 2



A 9 B 8 **C 7** D 6

4 × 2 × 2 = 16, 16 − 9 = 7

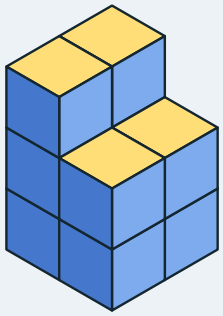
Cube Stacks

Grade 5 | 2026-11-07 | Worksheet

Every cube sits on the table or on another cube; no cube floats. Some cubes are hidden behind or under others, but the drawing still shows exactly how the solid is built. Look carefully, count in an order you choose and circle one answer for each puzzle.

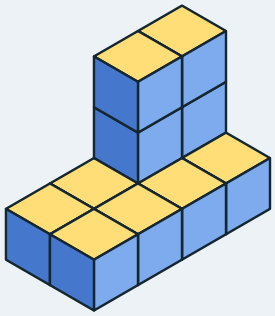
Count the square faces on the outside of the solid, including the bottom. Tip: count what you see from above, from the front and from the side, then double the total.

1



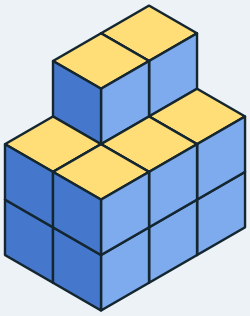
A 34 B 27 C 31 D 30

2



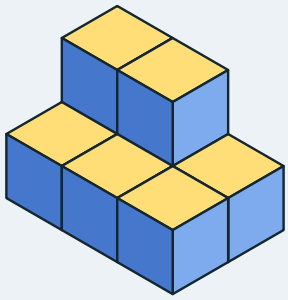
A 41 B 39 C 40 D 43

3



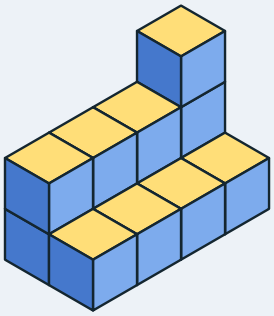
A 41 B 39 C 36 D 38

4



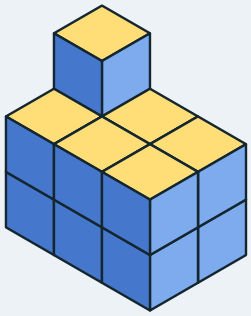
A 32 B 25 C 31 D 28

5



A 42 B 43 C 39 D 41

6



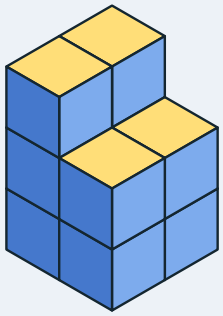
A 36 B 40 C 38 D 37

Cube Stacks

Grade 5 | 2026-11-07 | Answer key

The ring marks the answer: 2 × (squares seen from above + from the front + from the side).

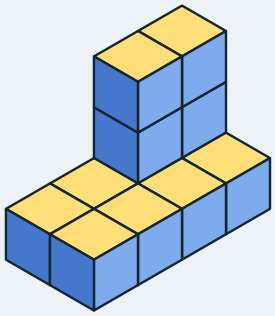
1



A 34 B 27 C 31 **D 30**

2 × (4 + 6 + 5) = 30

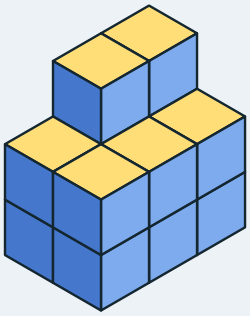
2



A 41 B 39 **C 40** D 43

2 × (8 + 8 + 4) = 40

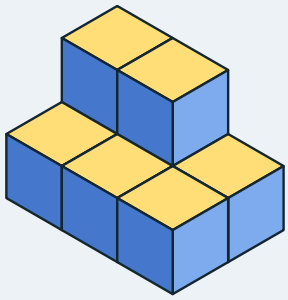
3



A 41 B 39 C 36 **D 38**

2 × (6 + 8 + 5) = 38

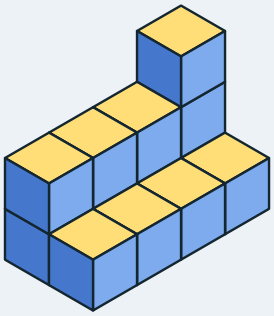
4



A 32 B 25 C 31 **D 28**

2 × (6 + 3 + 5) = 28

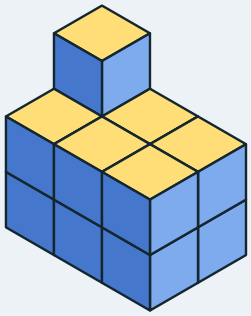
5



A 42 B 43 C 39 D 41

2 × (8 + 9 + 4) = 42

6



A 36 B 40 C 38 D 37

2 × (6 + 5 + 7) = 36

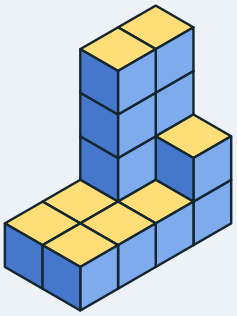
Cube Stacks

Grade 6 | 2026-11-07 | Worksheet

Every cube sits on the table or on another cube; no cube floats. Some cubes are hidden behind or under others, but the drawing still shows exactly how the solid is built. Look carefully, count in an order you choose and circle one answer for each puzzle.

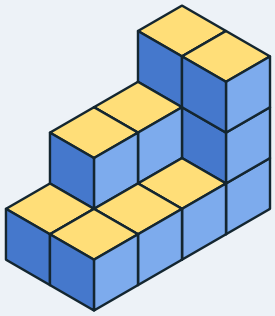
The solid stands on the table and is painted all over, but not underneath. How many square faces get paint?

1



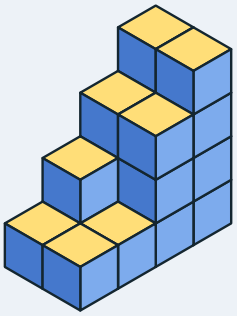
A 37 B 41 C 39 D 40

2



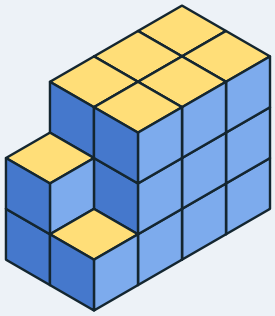
A 33 B 37 C 36 D 34

3



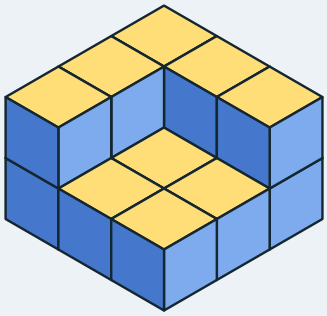
A 41 B 44 C 47 D 45

4



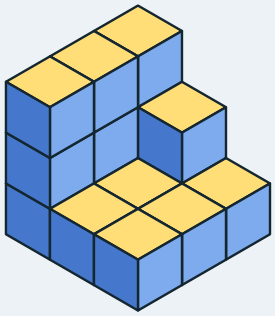
A 40 B 46 C 42 D 39

5



A 33 B 30 C 37 D 31

6



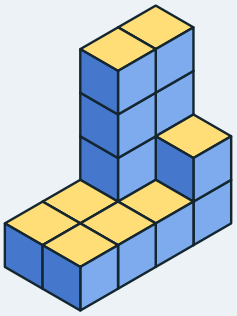
A 43 B 39 C 40 D 36

Cube Stacks

Grade 6 | 2026-11-07 | Answer key

The ring marks the answer: squares seen from above + 2 × from the front + 2 × from the side.

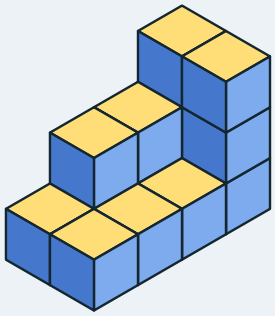
1



A 37 B 41 C 39 **D 40**

8 + 2 × 10 + 2 × 6 = 40

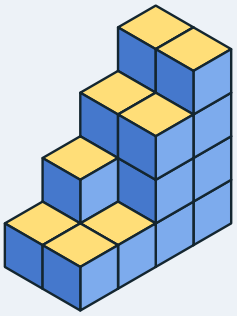
2



A 33 B 37 **C 36** D 34

8 + 2 × 8 + 2 × 6 = 36

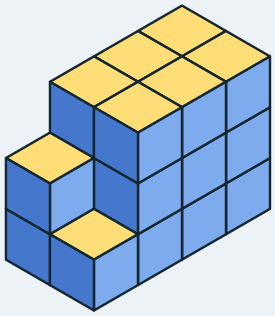
3



A 41 **B 44** C 47 D 45

8 + 2 × 10 + 2 × 8 = 44

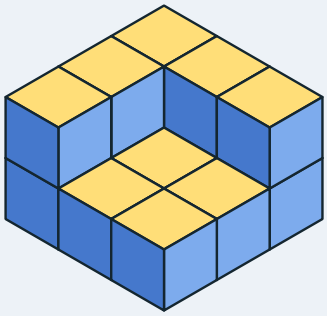
4



A 40 B 46 **C 42** D 39

8 + 2 × 11 + 2 × 6 = 42

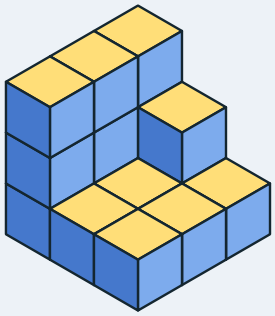
5



A 33 B 30 C 37 D 31

9 + 2 × 6 + 2 × 6 = 33

6



A 43 **B 39** C 40 D 36

9 + 2 × 9 + 2 × 6 = 39

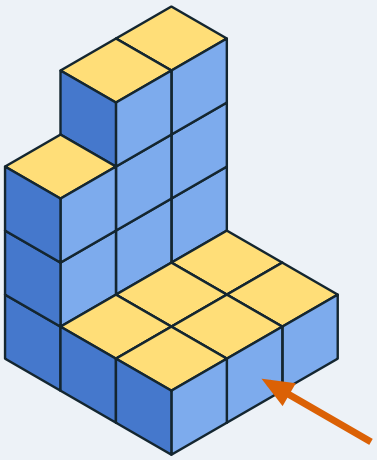
Cube Stacks

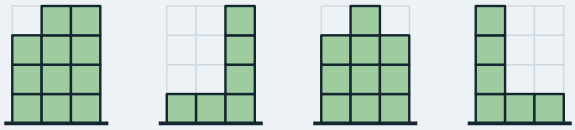
Grade 7 | 2026-11-07 | Worksheet

Every cube sits on the table or on another cube; no cube floats. Some cubes are hidden behind or under others, but the drawing still shows exactly how the solid is built. Look carefully, count in an order you choose and circle one answer for each puzzle.

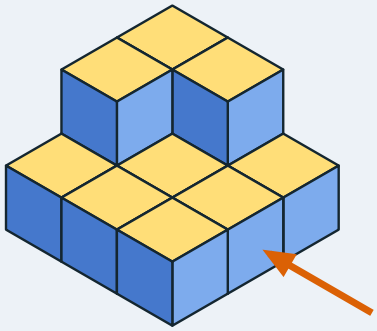
Look in the direction of the orange arrow. Which drawing shows what you see from the front?

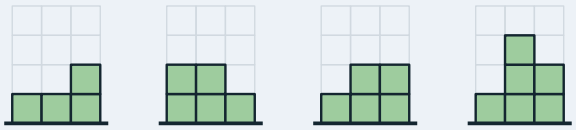
1



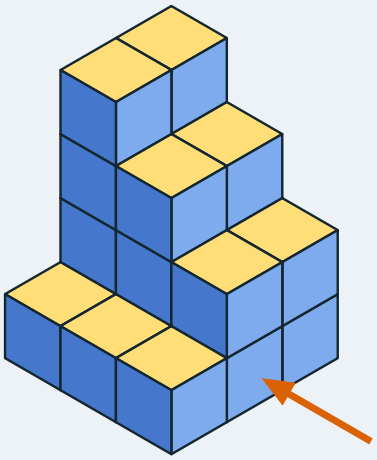


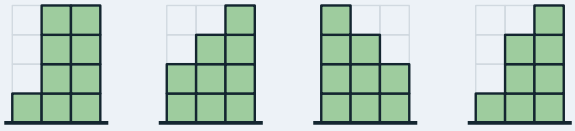
2



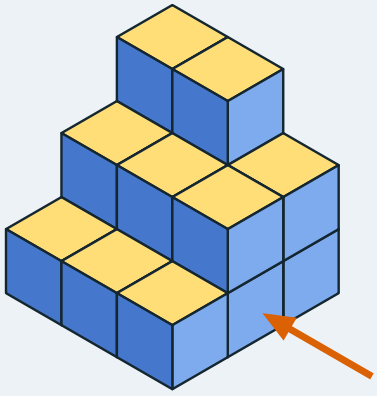


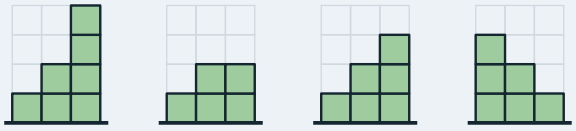
3





4



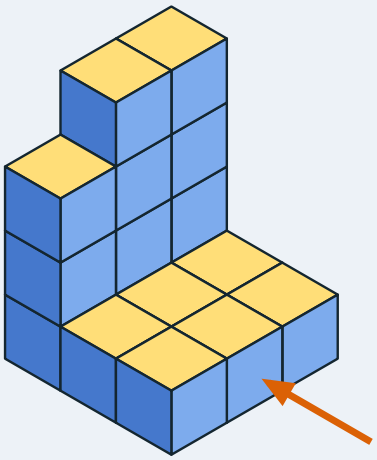


Cube Stacks

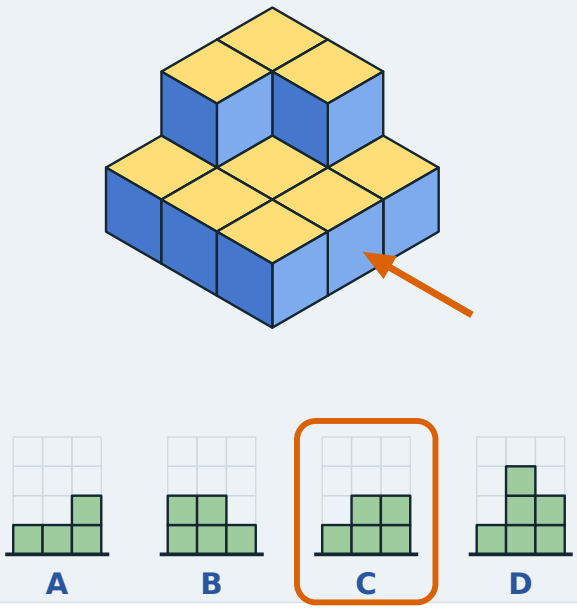
Grade 7 | 2026-11-07 | Answer key

The ring marks the front view: each column is as tall as the tallest stack in that line.

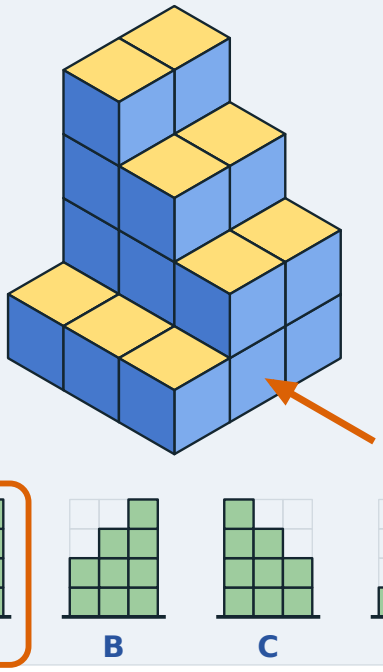
1



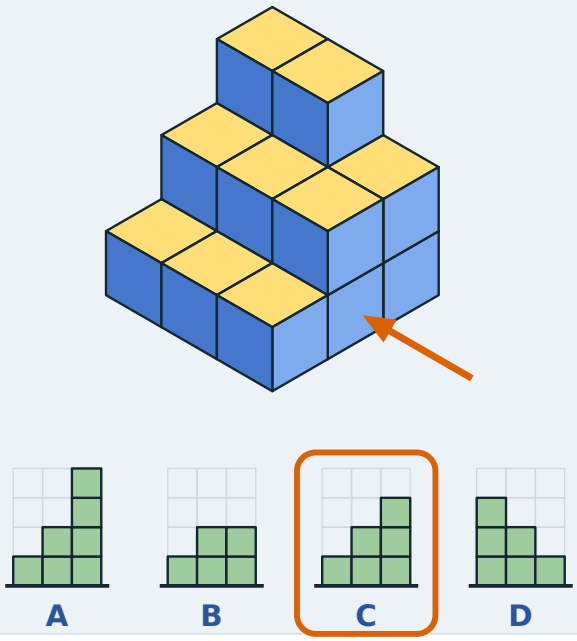
2



3



4



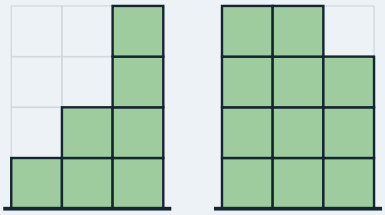
Cube Stacks

Grade 8 | 2026-11-07 | Worksheet

Every cube sits on the table or on another cube. Here you only see two flat views, so several different solids can match them. Find the one that uses the fewest cubes and circle one answer for each puzzle.

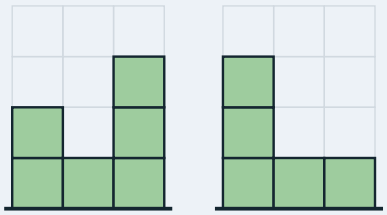
One drawing shows a solid from the front, the other from the side. What is the smallest number of cubes the solid can have?

1



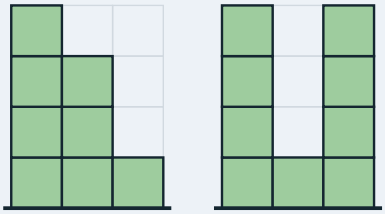
A 18 B 11 C 14 D 17

2



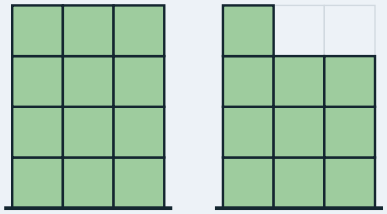
A 10 B 6 C 7 D 11

3



A 13 B 11 C 16 D 12

4



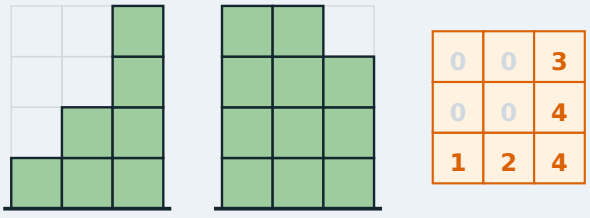
A 22 B 16 C 18 D 20

Cube Stacks

Grade 8 | 2026-11-07 | Answer key

The ring marks the answer. The small grid shows one way to build it, seen from above with the front row at the bottom.

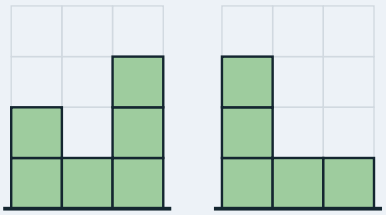
1



0	0	3
0	0	4
1	2	4

A 18 B 11 **C 14** D 17

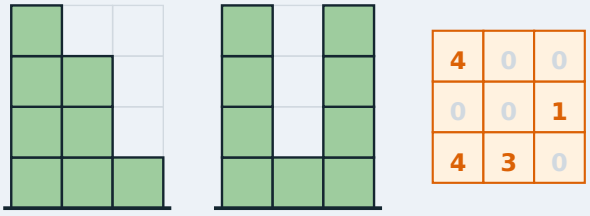
2



1	0	0
0	1	0
2	0	3

A 10 B 6 **C 7** D 11

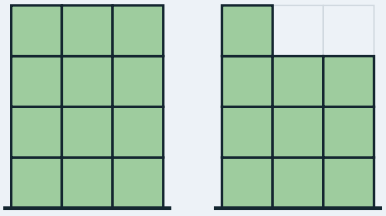
3



4	0	0
0	0	1
4	3	0

A 13 B 11 C 16 **D 12**

4



3	0	0
3	0	0
4	4	4

A 22 B 16 **C 18** D 20