NCERT Solutions for Class 4 Maths Chapter 1: NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks provide a detailed guide to understanding how to work with geometric shapes and patterns using bricks as a context.

This chapter introduces students to the concept of constructing various structures and shapes using bricks, fostering their spatial awareness and problem-solving skills. The solutions cover exercises that involve counting bricks, understanding different types of patterns, and constructing simple structures.

These solutions aim to enhance students comprehension of basic geometry and provide a solid foundation for more advanced mathematical concepts.

NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks Overview

NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks are prepared by subject experts of Physics Wallah to provide a detailed understanding of geometric concepts. This chapter focuses on how to construct various structures and patterns using bricks, helping students grasp essential spatial and mathematical ideas.

The solutions provide clear explanations and step-by-step guidance for solving exercises related to counting bricks, understanding patterns, and creating simple constructions. These expert-prepared notes aim to build a strong foundation in geometry for young learners ensuring they develop both confidence and competence in the subject.

NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks PDF

The PDF for the NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks is available below.

By downloading this PDF students can enhance their understanding of constructing various structures with bricks and solidify their grasp of geometric concepts.

NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks PDF

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Below we have provided NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks-

NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks Page No: 2

Question: 1

Which floor pattern do you like the most?

Answer: Pattern 5 looks familiar to me, so I like it the most.

Question: 2

Have you seen such patterns anywhere?

Answer: Yes, this type of pattern is used in the design of mosques and other traditional buildings, where intricate and symmetrical designs are common.

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Question: 3

Which pattern is made in a circle?

Answer: Pattern J is designed in a circular arrangement.

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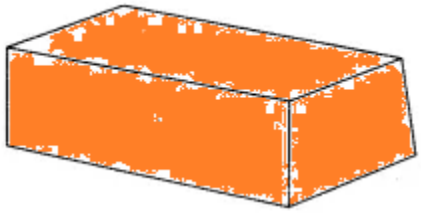
Question: 4

How to draw a brick?

Answer: Drawing a brick is shown below.



Question: 5

How many faces in all does a brick have?

Answer: There are 6 faces in a brick.

Question: 6

Is any face of a brick a square?

Answer: No, a face of a brick is not square; it has rectangular faces.

Question: 7

Draw the smallest face of the brick.

Answer: The smallest face of the brick is drawn below.

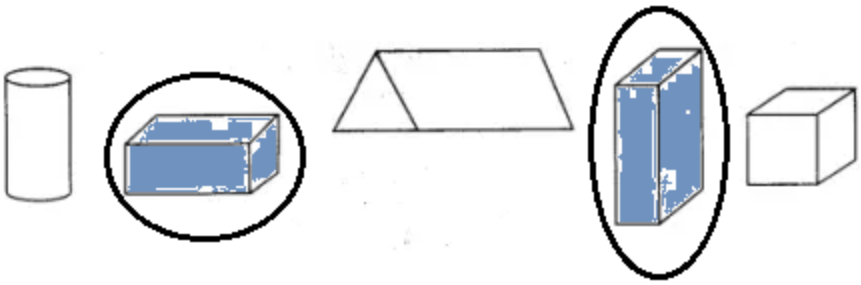
Question: 8

Which of these are the faces of a brick? Mark a (Right)

Answer:

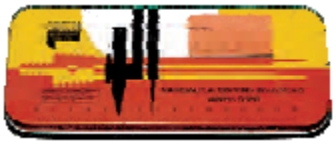
Question: 9

Which of these is a drawing of a brick? Mark a (Right)

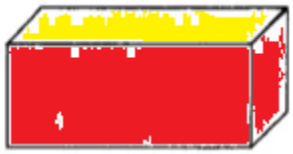


Question: 10

Make a drawing of this box to show 3 of its faces.



Answer: Drawing of this box to show 3 of its faces is shown below.



Question: 11

Can you make a drawing of a brick which shows 4 of its faces?

Answer: No, it is not possible to draw a brick in a way that shows all four of its faces simultaneously because a brick is a three-dimensional object and each face is visible from a different angle. To represent four faces, you would need to draw multiple perspectives or use a 3D model.

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Question: 12

What do you think? Which wall will be stronger?

Answer: The wall made by Zainab will be stronger than the one made by Muniya.

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Looking through a Brick ‘jaali’

The masons who built Jagriti School had also made different ‘jaali’ patterns on the walls.

Question: 13

How many different ‘jaali’ patterns can you see in these two photos?

Answer: There are 5 jaali patterns in the given 2 photos.

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Question: 14

Have you seen arches in a bridge?

Answer: Yes, I have seen arches in a bridge. Arches are commonly used in bridge construction because they distribute weight evenly and provide structural stability.

Question: 15

Where else have you seen an arch?

Answer: I've seen arches in various places, including old bridges. For example, in Jaunpur, there is a historic bridge over the river Saryu that features elegant arches.

Question: 16

Isn't the 'jaali' of this window beautiful? It is made of thin bricks. Have you ever seen thin bricks? Look around

Answer: The 'jaali' of the window is indeed very beautiful. Yes, I have seen thin bricks which are often used in architectural designs. For example, thin bricks can be seen in the Red Fort in Delhi.

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Question: 17

Which of these bricks have curved edges?

Answer: Bricks 1 and 2 from the top left in the given figure have curved edges.

Question: 18

How many faces do you see of the longest brick?

Answer: In the given figure, only one face of the longest brick can be seen.

Question: 19

Is there any brick which has more than six faces?

Answer: No, there are no bricks with more than 6 faces in the given figure.

Question: 20

Have you seen bricks of different sizes?

Take one brick and measure it.

(a) How long is it?

Answer: It is 10 inches in length.

(b) How wide is it?

Answer: It is 4 and a half inches wide.

(c) How high is it?

Answer: It is 3 inches in height.

Question: 21

Muniya wants to make a wall 1 metre long. How many bricks will she need to put in a line?

Answer: She needs 4 bricks to make a wall 1 metre long.

Question: 22

Can you guess how high is the chimney here? Is it:

(a) about 5 metres?

(b) about 15 metres?

(c) about 50 metres?

Answer: The chimney is about 50 metres high in the given figure.

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Question: 23

Here are four pictures from the brick kiln. These pictures are jumbled up. Look at them carefully. Write the correct order

Answer: The correct order of the given figures is C, D, B and A.

C

D

B

A

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Question: 24

Have you seen a brick kiln? Did you try to guess the number of bricks kept there?

Answer: Yes, I have seen a brick kiln. There may be more than one lakh bricks kept in a brick kiln.

Question: 25

Can you write the number one lakh?

Answer: One lakh is written as 100000.

Question: 26

Look at these photos and guess how many bricks are carried by this truck.

Also, find out from a truck driver how many bricks they can carry in one truck.

Answer: According to the truck driver, they can carry 4000 bricks in a truck.

Bhajan went to buy bricks. The price was given for one thousand bricks. The prices were also different for different types of bricks.

Old bricks – Rs 1200 for one thousand bricks.

New bricks from Intapur – Rs 1800 for one thousand bricks.

New bricks from Brickabad – Rs 1200 for one thousand bricks.

Question: 27

Bhajan decided to buy the new bricks from Brickabad. He bought three thousand bricks. How much did he pay?

Answer: Bhajan has to pay Rs 3600 for three thousand bricks.

Question: 28

Guess what he will pay if he buys 500 old bricks

Answer: Bhajan pays Rs 600 if he buys 500 old bricks.

Benefits of NCERT Solutions for Class 4 Maths Chapter 1 Building with Bricks

- **Concept Clarity:** These solutions help in understanding basic geometric concepts related to bricks, including their shapes and patterns. They clarify how different faces and arrangements contribute to the overall structure.
- **Enhanced Problem-Solving Skills:** By working through these solutions students improve their ability to solve problems involving shapes and spatial understanding, which are important for grasping more complex mathematical concepts.
- **Application of Knowledge:** Students learn how to apply their knowledge of shapes and patterns in practical scenarios, such as constructing walls or understanding architectural designs.
- **Preparation for Future Topics:** Mastering these foundational concepts prepares students for more advanced topics in geometry and construction in higher grades.
- **Confidence Building:** Accurate solutions and step-by-step explanations build students confidence in their mathematical abilities and encourage independent learning.